



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



**Bulletin No-71**  
**Date-13.03.2020**

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

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace to very light rainfall is forecasted for today, Sunday and Monday in the block. The day temperature will 32-35°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-89% and 21-31% respectively. There will partly to mainly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.*

Block	Athagad				
	Date	14/03/2020	15/03/2020	16/03/2020	17/03/2020
Rainfall (mm)	1	0	2	1	0
T-Max (°C)	34	33	32	35	35
T-Min (°C)	20	20	21	21	22
Cloud Cover (octa)	0	5	2	2	2
RH Max (%)	89	82	87	87	73
RH Min (%)	28	29	28	31	21
Wind Speed (kmph)	13	13	10	10	11
Wind Direction (deg)	124	122	198	167	198

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature and forecasted rain, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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



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**Bulletin No-71**  
**Date-13.03.2020**

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

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace to very light rainfall is forecasted for Sunday and Monday in the block. The day temperature will 32-35°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-89% and 21-31% respectively. There will be partly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.*

Block	Badamba				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	2	1	0
T-Max(°C)	34	33	32	35	35
T-Min(°C)	20	19	20	20	22
Cloud Cover(octa)	0	3	2	2	3
RH Max (%)	89	88	89	80	65
RH Min (%)	28	29	30	31	21
Wind Speed (Kmph)	12	13	9	9	10
Wind Direction (deg)	158	135	198	191	200

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:**
- Due to abrupt rise and fall in temperature and forecasted rain, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- Downy mildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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



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

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace rainfall is forecasted for Sunday and Monday in the block. The day temperature will 33-35°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-91% and 21-31% respectively. There will be partly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.*

Block	Banki				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	1	1	0
T-Max(°C)	34	33	33	34	35
T-Min(°C)	20	19	20	20	22
Cloud Cover(octa)	0	4	2	2	2
RH Max (%)	91	88	89	85	71
RH Min (%)	27	29	29	31	21
Wind Speed (Kmph)	14	13	11	11	12
Wind Direction (deg)	158	144	198	193	203

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature and forecasted rain , there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed.
  - Drain out excess water from the fields soon.
  - The affected plants should be uprooted and destroyed to prevent spread of the disease.
  - Avoid excess application of nitrogenous fertilizers.
  - 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace rainfall is forecasted for Sunday and Monday in the block. The day temperature will 33-35°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-91% and 21-31% respectively. There will be partly cloudy sky for next 5 days. **As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.**

Block	Banki-Dampara				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	1	1	0
T-Max(°C)	34	33	33	35	35
T-Min(°C)	20	19	20	20	22
Cloud Cover(octa)	0	4	2	2	2
RH Max (%)	91	88	89	85	72
RH Min (%)	27	29	28	31	21
Wind Speed (Kmph)	13	13	11	11	12
Wind Direction (deg)	180	144	201	193	203

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 mlDimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water.Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:**
- Due to abrupt rise and fall in temperature and forecasted rain , there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 forecasted rain may aggravate **wilt disease in Bean, Tomato, Brijnal 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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**Contact No-9861445080/7008453427**





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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-35°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-90% and 21-32% respectively. There will be partly to mainly cloudy sky for next 5 days. *As rainfall is realized, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Baranga				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	33	32	34	35
T-Min(°C)	21	20	21	21	22
Cloud Cover	0	5	2	2	0
RH Max (%)	88	81	88	90	81
RH Min (%)	28	31	27	32	21
Wind Speed (Kmph)	13	12	11	12	14
Wind Direction (deg)	203	135	180	180	207

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 mlDimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water.Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:**
- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

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**Animal husbandry:**

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 (Nodal officer)

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**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**  
**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-35°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-89% and 20-31% respectively. There will be partly to mainly cloudy sky for next 5 days. **As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.**

Block	Cuttack sadar				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Date	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	33	32	34	35
T-Min(°C)	22	21	22	21	22
Cloud Cover(octa)	0	6	2	2	1
RH Max (%)	87	77	86	89	79
RH Min (%)	28	30	27	31	20
Wind Speed (Kmph)	13	12	11	10	13
Wind Direction (deg)	203	79	189	180	206

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed.
  - Drain out excess water from the fields soon.
  - The affected plants should be uprooted and destroyed to prevent spread of the disease.
  - Avoid excess application of nitrogenous fertilizers.
  - 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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



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



**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

District Past week weather condition

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-34°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-90% and 23-35% respectively. There will be partly to mainly cloudy sky for next 4 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Kantapada				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Date	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	32	32	33	34
T-Min(°C)	22	21	22	22	23
Cloud Cover(octa)	0	5	1	1	0
RH Max (%)	88	81	89	90	82
RH Min (%)	32	35	31	33	23
Wind Speed (Kmph)	12	11	11	12	14
Wind Direction (deg)	203	79	189	193	203

Agromet Advisory

Pulses:

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

Oil Seeds:

Mustard:

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:
- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

Vegetables:

- 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.
- 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 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.

Animal husbandry:

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

**Debasish Jena**  
 SMS (Agrometeorology)  
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**GRAMIN KRUSHI MAUSAM SEVA**  
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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR MAHANGA**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-35°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-89% and 23-36% respectively. There will be partly to mainly cloudy sky for next 4 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Mahanga				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	32	32	34	35
T-Min(°C)	22	21	21	21	22
Cloud Cover(octal)	0	5	2	2	1
RH Max (%)	84	73	85	89	82
RH Min (%)	33	36	31	36	23
Wind Speed (Kmph)	12	11	11	10	13
Wind Direction (deg)	199	75	195	203	206

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 mlDimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water.Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:**
- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

**Debasish Jena**  
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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace to very light rainfall is forecasted for Sunday and Monday in the block. The day temperature will 32-36°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-92% and 19-31% respectively. There will be partly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.*

Block	Narasinghpur				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	2	1	0
T-Max(°C)	34	32	32	36	36
T-Min(°C)	19	19	19	20	22
Cloud Cover(/octa)	0	3	2	3	4
RH Max (%)	87	91	92	74	61
RH Min (%)	28	28	30	31	19
Wind Speed (Kmph)	10	11	6	6	7
Wind Direction (deg)	158	148	193	193	200

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 mlDimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water.Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature and forecasted rain , there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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



**GRAMIN KRUSHI MAUSAM SEVA**  
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**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-34°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-89% and 25-39% respectively. There will be partly to mainly cloudy sky for next 4 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Niali				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
<b>Date</b>	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
<b>Rainfall(mm)</b>	0	0	0	0	0
<b>T-Max(°C)</b>	34	32	32	33	34
<b>T-Min(°C)</b>	21	20	21	22	23
<b>Cloud Cover(octa)</b>	0	5	1	1	0
<b>RH Max (%)</b>	89	83	89	89	82
<b>RH Min (%)</b>	36	39	35	37	25
<b>Wind Speed (Kmph)</b>	12	11	11	13	15
<b>Wind Direction (deg)</b>	203	154	165	193	203

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.

a) Use Pheromone trap using Spodo lure to monitor adult population of the insect.

b) Bird perching should be encouraged and night fire should be widely popularized

- 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.

**Vegetables: 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.

- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

**Debasish Jena**  
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**Bulletin No-71**  
**Date-13.03.2020**

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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-35°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-89% and 24-37% respectively. There will be partly to mainly cloudy sky for next 4 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Nischintakoili				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Date	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	32	32	33	35
T-Min(°C)	22	21	22	21	22
Cloud Cover(octa)	0	5	2	2	0
RH Max (%)	85	75	86	89	83
RH Min (%)	33	36	31	37	24
Wind Speed (Kmph)	12	11	11	11	14
Wind Direction (deg)	199	68	195	193	203

Agromet Advisory

Pulses:

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

Oil Seeds:

Mustard:

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:
- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

Vegetables:

- 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.
- 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 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.

Animal husbandry:

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

**Debasish Jena**  
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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days in the block. The day temperature will 32-35°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-89% and 23-35% respectively. There will be partly to mainly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Salepur				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	32	32	34	35
T-Min(°C)	22	21	22	21	22
Cloud Cover(octa)	0	5	2	2	0
RH Max (%)	85	75	86	89	82
RH Min (%)	32	35	30	36	23
Wind Speed (Kmph)	13	11	11	11	14
Wind Direction (deg)	199	71	195	193	206

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- Downy mildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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





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



**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Light rainfall is forecasted for Monday in the block. The day temperature will 31-34°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 39-49% respectively. There will be partly to mainly cloudy sky for next 4 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should go for their pesticide and fertilizer application in sunny day conditions.*

Block	Tangi-Choudwar				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Date	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	0	2	0
T-Max(°C)	34	32	31	32	34
T-Min(°C)	21	20	21	21	22
Cloud Cover(octa)	0	5	2	1	0
RH Max (%)	85	77	86	87	85
RH Min (%)	49	47	45	47	39
Wind Speed (Kmph)	13	12	12	13	16
Wind Direction (deg)	191	45	117	165	203

Agromet Advisory

Pulses:

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

Oil Seeds:

Mustard:

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids** .To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 mlDimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water.Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.
- Groundnut:
- Due to abrupt rise and fall in temperature and forecasted rain , there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

Vegetables:

- 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.
- 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 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.

Animal husbandry:

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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

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**Bulletin No-71**  
**Date-13.03.2020**

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**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 41 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Relative humidity of the district was around 84-68%. *According to NDVI map (04.03.2020 to 10.03.2020) the agriculture vigor was less over maximum blocks, whereas according to SPI value (cumulative 4weeks-06 February 2020 to 04 March 2020), moderately wet condition was there.*

**Forecasted period: 14<sup>th</sup> March 2020 to 18<sup>th</sup> March 2020**

**General Advisory:** Trace to very light rainfall is forecasted for Sunday and Monday in the block. The day temperature will 32-35°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-90% and 22-31% respectively. There will be partly cloudy sky for next 5 days. *As rainfall is realized and also forecasted, farmers should drain out excess water from field and store in water harvesting structure for future purpose. Farmers should stop their pesticide and fertilizer application and irrigation activity in rainy day conditions.*

Block	Tigiria				
	14/03/2020	15/03/2020	16/03/2020	17/03/2020	18/03/2020
Rainfall(mm)	0	0	2	1	0
T-Max(°C)	34	33	32	34	35
T-Min(°C)	20	19	20	21	22
Cloud Cover(octa)	0	4	2	2	3
RH Max (%)	90	84	88	85	69
RH Min (%)	29	29	29	31	22
Wind Speed (Kmph)	13	13	10	9	10
Wind Direction (deg)	135	135	201	163	198

**Agromet Advisory**

**Pulses:**

- At present gram is in pod formation/development stage and at this stage the incidence of gram pod borer is commonly observed the fields. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap etc. For initial control. If necessary spray insecticides like Aciphate WP @ 250 g/ha (250 ml/ha) or Polytrin C @ 1 liter/ha.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Oil Seeds:**

**Mustard:**

- Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.
- present weather may favour the infestation of **saw fly, leaf webber and aphids**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre. Spray 400 ml Dimethoate or Methyl demeton or 50 ml Imidachloprid in 200 litre water. Spray 1 kg Cuppor Oxychloride or 800 g Dethane-M 45/acre in 200 litre water to control **leaf blight disease**.

**Groundnut:**

- Due to abrupt rise and fall in temperature and forecasted rain, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  - Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  - Bird perching should be encouraged and night fire should be widely popularized
- 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.

**Vegetables:**

- 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.
- 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 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.

**Animal husbandry:**

- Provide sufficient clean drinking water to animals. Keep the animal shed clean and dry.

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