



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



Bulletin No-59
Date-31.01.2020

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

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-90% and 35-52% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Athagad				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall (mm)	0	5	7	0	0
T-Max (°C)	26	26	27	28	28
T-Min (°C)	15	17	16	16	17
Cloud Cover (octa)	1	3	2	0	1
RH Max (%)	87	90	76	74	78
RH Min (%)	47	52	52	35	40
Wind Speed (kmph)	7	9	9	7	11
Wind Direction (deg)	79	110	108	116	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25% WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:**In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR BADAMBA

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-94% and 38-55% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Badamba				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	6	8	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	15	16	15	15	17
Cloud Cover(octa)	1	3	2	1	1
RH Max (%)	89	94	85	80	83
RH Min (%)	44	55	54	38	44
Wind Speed (Kmph)	6	9	8	8	12
Wind Direction (deg)	90	113	101	153	158

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:**In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 37-54% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Banki				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	7	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	15	16	15	15	17
Cloud Cover(octa)	1	3	2	0	1
RH Max (%)	88	92	80	77	81
RH Min (%)	46	53	54	37	43
Wind Speed (Kmph)	7	10	9	7	12
Wind Direction (deg)	99	110	108	117	158

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

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

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-91% and 36-54% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Banki-Dampara				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	7	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	15	16	16	15	17
Cloud Cover(octa)	1	3	2	0	1
RH Max (%)	88	91	80	77	81
RH Min (%)	46	53	54	36	42
Wind Speed (Kmph)	7	10	9	7	12
Wind Direction (deg)	99	110	108	109	154

Agromet Advisory

Pulses:

- Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

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

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-86% and 36-53% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Baranga				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	8	5	0	0
T-Max(°C)	26	26	27	28	28
T-Min(°C)	17	18	17	16	17
Cloud Cover	1	4	3	0	1
RH Max (%)	86	86	71	75	78
RH Min (%)	47	52	53	36	40
Wind Speed (Kmph)	9	11	10	8	10
Wind Direction (deg)	68	110	90	109	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 25-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-86% and 34-51% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Cuttack sadar				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	6	0	0
T-Max(°C)	25	26	27	28	28
T-Min(°C)	17	18	17	16	17
Cloud Cover(octa)	1	4	2	0	2
RH Max (%)	85	86	70	73	77
RH Min (%)	47	51	50	34	38
Wind Speed (Kmph)	9	10	10	8	10
Wind Direction (deg)	68	110	99	109	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

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

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-88% and 38-53% respectively. There will be mainly clear to partly cloudy sky for next 5 days. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.

Block	Kantapada				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	4	0	0
T-Max(°C)	26	26	27	28	28
T-Min(°C)	17	19	17	16	18
Cloud Cover(octa)	1	4	3	0	1
RH Max (%)	88	84	72	76	78
RH Min (%)	47	53	53	38	42
Wind Speed (Kmph)	10	11	11	9	10
Wind Direction (deg)	68	107	34	34	146

Agromet Advisory

Pulses:

- Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-85% and 35-51% respectively. There will be mainly clear to partly cloudy sky for next 5 days. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.

Block	Mahanga				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	3	0	0
T-Max(°C)	26	26	27	27	28
T-Min(°C)	17	18	17	16	17
Cloud Cover(octal)	1	4	1	0	1
RH Max (%)	85	81	68	71	77
RH Min (%)	49	51	45	35	37
Wind Speed (Kmph)	9	11	10	8	7
Wind Direction (deg)	45	105	105	101	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

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

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 27-30°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-97% and 32-53% respectively. There will be mainly clear to partly cloudy sky for next 5 days. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.

Block	Narasinghpur				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	7	0	0
T-Max(°C)	30	27	27	28	27
T-Min(°C)	14	15	15	15	16
Cloud Cover(/octa)	1	3	2	1	1
RH Max (%)	93	97	93	88	89
RH Min (%)	32	53	52	42	46
Wind Speed (Kmph)	5	7	6	7	10
Wind Direction (deg)	109	113	114	156	162

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 27-28°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-90% and 40-56% respectively. There will be mainly clear to partly cloudy sky for next 5 days. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.

Block	Niali				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	6	3	0	0
T-Max(°C)	27	27	27	28	28
T-Min(°C)	17	19	17	16	18
Cloud Cover(octa)	1	4	3	0	1
RH Max (%)	90	83	74	77	77
RH Min (%)	48	55	56	40	44
Wind Speed (Kmph)	11	12	11	9	10
Wind Direction (deg)	68	90	90	90	154

Agromet Advisory

Pulses:

- Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/70084534227



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



Bulletin No-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-86% and 36-51% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Nischintakoli				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	3	0	0
T-Max(°C)	26	26	27	27	28
T-Min(°C)	17	18	17	16	17
Cloud Cover(octa)	1	4	2	0	1
RH Max (%)	86	81	69	72	77
RH Min (%)	48	51	48	36	38
Wind Speed (Kmph)	10	11	10	8	8
Wind Direction (deg)	30	99	109	101	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.
- **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-86% and 36-51% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Salepur				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	4	2	0	0
T-Max(°C)	26	26	27	27	28
T-Min(°C)	17	18	17	16	17
Cloud Cover(octa)	1	4	2	0	1
RH Max (%)	86	82	69	72	77
RH Min (%)	48	51	48	36	38
Wind Speed (Kmph)	10	11	10	8	8
Wind Direction (deg)	30	105	105	101	146

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:**In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 27-28°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-87% and 45-58% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Tangi-Choudwar				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	4	2	0	0
T-Max(°C)	28	27	28	28	28
T-Min(°C)	17	19	17	16	17
Cloud Cover(octa)	0	3	1	0	0
RH Max (%)	87	81	70	72	74
RH Min (%)	56	58	57	46	45
Wind Speed (Kmph)	14	13	13	11	10
Wind Direction (deg)	72	103	68	90	115

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:**In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
- Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal

Animal husbandry:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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-59
Date-31.01.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 15°C, respectively. Relative humidity of the district was around 60-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative 02 January 2020 to 29 January 2020), mildly wet condition was there.*

Forecasted period: 01st January 2020 to 05th February 2020

General Advisory: Light rainfall is forecasted for tomorrow and Sunday. The day temperature will 26-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-92% and 36-53% respectively. There will be mainly clear to partly cloudy sky for next 5 days. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables. As rainfall was already realized and is forecasted, so farmers should drain out excess water from the field and they should store the water in water harvesting structure for future use.*

Block	Tigiria				
	01/02/2020	02/02/2020	03/02/2020	04/02/2020	05/02/2020
Rainfall(mm)	0	5	7	0	0
T-Max(°C)	26	26	27	28	28
T-Min(°C)	15	17	16	15	17
Cloud Cover(octa)	2	3	2	1	1
RH Max (%)	87	92	80	76	80
RH Min (%)	47	53	53	36	42
Wind Speed (Kmph)	7	9	8	7	12
Wind Direction (deg)	90	107	101	117	154

Agromet Advisory

Pulses:

- **Aphids** may infest the crop. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area. **Leaf eating caterpillar** feeds on the young tender leaves. Spray fipronil 5% SL 400ml or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
- If **Pod borer** will occur in gram and pea, Spray 50 ml Imidacloprid or 400 ml Dimethoate or Metasystox in 200 litre water per acre.
- Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling **Powdery mildew**.
- Post emergent application of Quizalofop ethyl may be done to avoid the weeds.

Oil Seeds:

- **Mustard:** In present weather condition **aphid** may be found in mustard crop. If observe spray the crop with Dimethoate 30% EC 2 ml/litre water in sunny days. Spraying must be done in the afternoon hours to save honeybees.
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of **Tobacco caterpillar (Spodoptera litura)**. The forecasted weather is also favourable for its proliferation. Use Pheromone trap using Spodo lure to monitor adult population of the insect. Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- **Groundnut:** If grass weed is a major problem, apply Clodinafop propargyl 15WP@60g a.i./ha or Quizalofop ethyl @2 ml/litre at 21 days after sowing. Present condition is favourable for hoeing and weeding particularly at 21 days of the crop followed by application of Gypsum@2.5q/ha if not applied earlier.
- The soil should not be disturbed after flower initiation stage in early sown crop.
- Rabi groundnut should be sprayed with 500g Blitox-50 powder in 200 litre water to control **Tikka disease**.

Vegetables: If **Bacterial wilt** will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

- Cloudy weather during the last week favours the infestation of aphid in beans. Spray 2 ml Dimethoate or Methyle demeton per litre water.
 - Increased humidity may favour the infestation of blight. Spray 20 g Copper Oxy chloride and along with 10 g Plantomycin in 10 litre water.
 - **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage after the rain ceases. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
 - **Cabbage and Cauliflower:** The transplanted seedlings are at 5-7 week stage in main field. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage. Irrigate the crop after fertilizer application. **Leaf eating caterpillar** and **fruit borer** may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC 200ml mixing in 200lit of water per acre crop.
 - To control **hollow stem** in cabbage and cauliflower, Apply recommended dust of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal
- Animal husbandry:**
- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

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