



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



Bulletin No-58
Date-28.01.2020

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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-92% and 31-49% 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 up to Saturday. After rain cessation they may resume the activity.**

Block	Athagad				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall (mm)	4	7	0	0	3
T-Max (°C)	30	31	31	28	26
T-Min (°C)	19	19	16	16	16
Cloud Cover (octa)	0	2	0	1	4
RH Max (%)	92	86	53	77	89
RH Min (%)	39	38	31	36	49
Wind Speed (kmph)	16	11	10	8	11
Wind Direction (deg)	167	203	338	90	81

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- **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**.

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:** 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



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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 46-94% and 29-52% 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 up to Saturday. After rain cessation they may resume the activity.*

Block	Badamba				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	4	6	0	0	3
T-Max(°C)	30	31	30	28	26
T-Min(°C)	17	18	16	15	16
Cloud Cover(octa)	0	2	0	1	5
RH Max (%)	94	85	46	82	90
RH Min (%)	41	37	29	35	52
Wind Speed (Kmph)	15	9	9	7	9
Wind Direction (deg)	163	200	300	150	75

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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
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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-91% and 30-51% 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 up to Saturday. After rain cessation they may resume the activity.*

Block	Banki				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	4	7	0	0	3
T-Max(°C)	29	31	31	28	26
T-Min(°C)	18	19	16	15	16
Cloud Cover(octa)	0	2	0	1	4
RH Max (%)	91	86	48	80	91
RH Min (%)	43	39	30	35	51
Wind Speed (Kmph)	17	11	10	8	11
Wind Direction (deg)	180	203	300	81	90

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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)

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Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-91% and 29-50% 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 up to Saturday. After rain cessation they may resume the activity.**

Block	Banki-Dampara				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	7	0	0	3
T-Max(°C)	29	30	31	28	26
T-Min(°C)	18	19	16	15	16
Cloud Cover(octa)	0	2	0	1	4
RH Max (%)	91	86	49	80	91
RH Min (%)	44	40	29	35	50
Wind Speed (Kmph)	17	11	10	8	11
Wind Direction (deg)	180	205	300	90	90

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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)
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Bulletin No-58
Date-28.01.2020

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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 67-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 16-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-91% and 30-50% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.

Block	Baranga				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	7	0	0	2
T-Max(°C)	29	30	31	27	26
T-Min(°C)	20	20	18	16	17
Cloud Cover	0	1	1	1	5
RH Max (%)	91	88	59	77	88
RH Min (%)	41	42	30	37	50
Wind Speed (Kmph)	16	14	12	10	13
Wind Direction (deg)	180	203	300	45	68

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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.

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SMS (Agrometeorology)

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 16-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-93% and 31-49% respectively There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.*

Block	Cuttack sadar				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	6	0	0	2
T-Max(°C)	29	31	31	27	26
T-Min(°C)	20	20	17	16	17
Cloud Cover(octa)	0	2	0	1	5
RH Max (%)	93	88	60	75	87
RH Min (%)	38	40	31	36	49
Wind Speed (Kmph)	16	13	12	10	13
Wind Direction (deg)	167	200	315	71	99

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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-58
Date-28.01.2020

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 67-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-32°C and night temperature will be 17-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-91% and 28-52% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.

Block	Kantapada				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	6	0	0	3
T-Max(°C)	29	30	32	27	26
T-Min(°C)	20	21	18	17	17
Cloud Cover(octa)	0	2	1	0	5
RH Max (%)	91	88	62	80	86
RH Min (%)	41	46	28	38	52
Wind Speed (Kmph)	16	15	12	11	14
Wind Direction (deg)	193	204	360	68	68

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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
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Bulletin No-58
Date-28.01.2020

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 67-85%. According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-32°C and night temperature will be 16-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-93% and 30-48% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.

Block	Mahanga				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	3	0	0	3
T-Max(°C)	29	32	31	27	26
T-Min(°C)	20	20	18	16	17
Cloud Cover(octal)	0	2	0	0	5
RH Max (%)	93	87	62	75	84
RH Min (%)	37	41	30	38	48
Wind Speed (Kmph)	15	16	13	10	14
Wind Direction (deg)	167	204	11	45	109

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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)

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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-96% and 29-56% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.*

Block	Narasinghpur				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	4	0	0	3
T-Max(°C)	30	31	30	29	26
T-Min(°C)	16	16	15	15	15
Cloud Cover(/octa)	1	2	0	1	5
RH Max (%)	96	83	48	89	94
RH Min (%)	37	37	29	32	56
Wind Speed (Kmph)	10	6	8	6	7
Wind Direction (deg)	165	240	306	135	45

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- **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**.

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:** 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)

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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-32°C and night temperature will be 17-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-90% and 30-54% 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 up to Saturday. After rain cessation they may resume the activity.*

Block	Niali				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	6	0	0	3
T-Max(°C)	28	30	32	27	26
T-Min(°C)	20	21	18	17	17
Cloud Cover(octa)	0	2	2	0	4
RH Max (%)	90	88	70	83	84
RH Min (%)	42	51	30	41	54
Wind Speed (Kmph)	16	16	12	12	14
Wind Direction (deg)	193	204	293	68	90

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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)

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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-32°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-93% and 29-49% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.*

Block	Nischintakoili				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	6	0	0	2
T-Max(°C)	29	31	32	27	26
T-Min(°C)	20	20	18	17	17
Cloud Cover(octa)	0	2	0	0	5
RH Max (%)	93	87	62	76	84
RH Min (%)	38	41	29	38	49
Wind Speed (Kmph)	15	16	13	11	14
Wind Direction (deg)	167	204	296	45	34

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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
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GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No-58
Date-28.01.2020

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-93% and 29-49% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. **As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.**

Block	Salepur				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	7	0	0	2
T-Max(°C)	29	31	31	27	26
T-Min(°C)	20	20	18	17	17
Cloud Cover(octa)	0	2	0	0	5
RH Max (%)	93	87	62	76	84
RH Min (%)	38	41	29	38	49
Wind Speed (Kmph)	15	15	13	11	14
Wind Direction (deg)	167	204	11	45	34

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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)
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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 27-33°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-90% and 36-57% 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 up to Saturday. After rain cessation they may resume the activity.**

Block	Tangi-Choudwar				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	2	6	0	0	3
T-Max(°C)	29	31	33	27	27
T-Min(°C)	19	20	18	17	17
Cloud Cover(octa)	0	2	1	0	3
RH Max (%)	90	87	68	82	82
RH Min (%)	48	56	36	49	57
Wind Speed (Kmph)	17	18	14	14	15
Wind Direction (deg)	193	203	248	71	34

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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.

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 (Nodal officer)

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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 67-85%. *According to NDVI map the agriculture vigor was moderate over few pockets, whereas according to SPI value (cumulative: 26 December 2019 to 22 January 2020), mildly wet condition was there.*

Forecasted period: 29th January 2020 to 02nd February 2020

General Advisory: Light rainfall is forecasted for today, tomorrow and Saturday. The day temperature will 26-31°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-93% and 32-51% respectively. There will be mainly clear to partly cloudy sky for next 4 days and the sky will be mainly cloudy on Saturday. *As light rainfall is forecasted farmers should pause their insecticide and fertilizer application and irrigation activity in rabi pulses and vegetables up to Saturday. After rain cessation they may resume the activity.*

Block	Tigiria				
	29/01/2020	30/01/2020	31/01/2020	01/02/2020	02/02/2020
Rainfall(mm)	4	6	0	0	2
T-Max(°C)	30	31	30	28	26
T-Min(°C)	18	19	16	15	16
Cloud Cover(octa)	0	2	0	1	5
RH Max (%)	93	86	49	78	89
RH Min (%)	40	38	32	36	51
Wind Speed (Kmph)	16	10	9	7	10
Wind Direction (deg)	163	205	300	109	90

Agromet Advisory

Pulses:

- The crop is at sowing to 4-5 week stage.
- 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**.

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:** 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.
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 - 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.

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