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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 12- 13°C.  |
| Mini. T (°C) | 12 | 13 | 13 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 11 | 12 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 29 | 29 | 29 | Maximum temperature will remain between 28-29°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

 **(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 29 | 29 | 29 | Maximum temperature will remain between 28-29°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

 **(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
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**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 10- 11°C.  |
| Mini. T (°C) | 10 | 10 | 11 | 10 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

 **(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 28 | 29 | 30 | Maximum temperature will remain between 28-30°C and the minimum between 12 - 13°C.  |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 11 | 12 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

 **(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 29 | 29 | 29 | Maximum temperature will remain between 28-29°C and the minimum between 12- 13°C.  |
| Mini. T (°C) | 12 | 12 | 13 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 28 | 29 | 30 | Maximum temperature will remain between 28-30°C and the minimum between 12- 13°C.  |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 10- 11C.  |
| Mini. T (°C) | 10 | 10 | 11 | 10 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

 **(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 28 | 29 | 29 | 29 | Maximum temperature will remain between 28-29°0C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum 11-13°C.  |
| Mini. T (°C) | 11 | 12 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
| **Bulletin No. 11****Date: Tuesday, 06 February , 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 25.5°C and 9.5°C respectively. Average relative humidity was 91 percent at 0700 hrs. and 64 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.5°C at 0700 hrs. and 22.6°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.3km/hr, 5.6 hours and 3.2 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

 **(7 – 11 February, 2018)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **7** **February** | **8****February** | **9****February** | **10****February** | **11****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 10- 12°C.  |
| Mini. T (°C) | 10 | 10 | 11 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 95 | 95 | 90 | 90 |  |
| Min Relative Humidity (%) | 60 | 60 | 60 | 60 | 55 |  |
| Wind speed (kmph) | 6 | 6 | 4 | 3 | 3 |  |
| Wind direction(deg) | Westerly | Westerly | Westerly | Westerly | Westerly | Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Papaya | Sowing/nursery preparation |  Farmers who are interested to sow papaya seeds in the nursery are advised to do it during 10-15 February. Otherwise, increasing temperature at the time of planting may cause harm to the newly planted seedlings. |
| Sugarcane, summer vegetables, sweet potato | Sowing |  Temperature regime is getting congenial for planting of spring planted sugarcane. Farmers are advised to prepare the field for planting/sowing of sugarcane, summer vegetables and sweet potato. Application of 15-20 tonnes of compost per hecatre is advised during land preparation. |
| Pulses | - | Weather is likely to remain favourable for infestation of foliar diseases like rust and powdery mildew. Farmers are advised to spray Mancogeb @ 2.5 gm per litre of water against the infestation of these diseases.  |
| Wheat | Booting to panicle initiation | Farmers are advised to provide irrigation in timely sown wheat crop which is in booting to panicle initiation stage. Application of 30 kg nitrogen/ha after irrigation. |
| Mustard | Flowering | Monitoring is advised for mustard aphid in the crop. Both the nymphs and adults suck cell sap from leaves, stems, inflorescence or developing pods. Due to very high population of the pest, the vitality of plants is greatly reduced. The leaves acquire a curly appearance, the flowers fail to form pods and the developing pods do not produce healthy seeds. If insect population is above ETL, spraying of Dimethoate 30EC @ 1.5 ml/litre of water is advised. |
| Animals | - |  Farmers are advised to provide to their animals medicine for control of worms in consultation with veterinarians. PPR vaccination is advised for goats. Farmers should keep in mind that while giving vaccination, they should give medicine against worms one week before vaccination. |

**(A. Sattar)**

**(Nodal Officer)**