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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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 26 | 27 | 26 | 27 | Maximum temperature will remain between 25-27°C and the minimum between 10- 15°C.  |
| Mini. T (°C) | 10 | 14 | 14 | 15 | 15 |
| Cloud cover (okta) | 0 | 5 | 4 | 4 | 5 | Partially cloudy sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

**(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 25 | 26 | 25 | 26 | Maximum temperature will remain between 25-26°C and the minimum between 10- 13°C.  |
| Mini. T (°C) | 10 | 10 | 12 | 13 | 12 |
| Cloud cover (okta) | 0 | 1 | 3 | 5 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

**(A. Sattar)**

**(Nodal Officer)**

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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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 25 | 26 | 26 | 27 | Maximum temperature will remain between 25-27°C and the minimum between 10- 12°C.  |
| Mini. T (°C) | 11 | 10 | 11 | 13 | 12 |
| Cloud cover (okta) | 0 | 1 | 2 | 5 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

**(A. Sattar)**

**(Nodal Officer)**

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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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 25 | 26 | 25 | 25 | Maximum temperature will remain between 25-26°C and the minimum between 7- 12°C |
| Mini. T (°C) | 9 | 7 | 11 | 12 | 8 |
| Cloud cover (okta) | 0 | 1 | 2 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

**(A. Sattar)**

**(Nodal Officer)**

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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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 25 | 26 | 25 | 26 | Maximum temperature will remain between 25-26°C and the minimum between 10- 12°C |
| Mini. T (°C) | 10 | 10 | 12 | 14 | 12 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 |  |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Easterly/ Westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

**(A. Sattar)**

**(Nodal Officer)**

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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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 24 | 26 | 27 | 26 | 27 | Maximum temperature will remain between 25-26°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 12 | 11 | 12 | 13 | 13 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(A. Sattar)**

**(Nodal Officer)**

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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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 8.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Light drizzle at some places |
| Max. T (°C) | 25 | 25 | 26 | 25 | 26 | Maximum temperature will remain between 25-26°C and the minimum between 10- 13°C.  |
| Mini. T (°C) | 10 | 10 | 12 | 13 | 12 |
| Cloud cover (okta) | 0 | 1 | 3 | 5 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(A. Sattar)**

**(Nodal Officer)**

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| **Bulletin No. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 26 | 27 | 26 | 27 | Maximum temperature will remain between 25-27°C and the minimum between 11- 14°C.  |
| Mini. T (°C) | 12 | 11 | 12 | 14 | 13 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 26 | 27 | 26 | 27 | Maximum temperature will remain between 24-27°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 12 | 11 | 12 | 13 | 13 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 26 | 26 | 26 | 27 | Maximum temperature will remain between 25-27°C and the minimum between 9- 13°C.  |
| Mini. T (°C) | 9 | 10 | 11 | 13 | 11 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 26 | 27 | 26 | 28 | Maximum temperature will remain between 25-28°C and the minimum between 12- 13°C.  |
| Mini. T (°C) | 12 | 11 | 12 | 14 | 13 |
| Cloud cover (okta) | 0 | 1 | 3 | 6 | 3 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 26 | 25 | 26 | Maximum temperature will remain between 25-26°C and the minimum between 11- 13°C.  |
| Mini. T (°C) | 12 | 11 | 13 | 13 | 13 |
| Cloud cover (okta) | 0 | 5 | 4 | 4 | 5 | Partially cloudy Sky |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(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. 12****Date: Friday, 09 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 25.3°C and 12.0°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.4°C at 0700 hrs. and 22.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.9 km/hr, 6.1 hours and 4.5 mm respectively. Dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(10 – 14 February, 2018)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **10****February** | **11****February** | **12****February** | **13****February** | **14****February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 26 | 27 | 27 | Maximum temperature will remain between 25-27°C and the minimum between 10- 13°C.  |
| Mini. T (°C) | 10 | 11 | 11 | 13 | 12 |
| Cloud cover (okta) | 0 | 1 | 1 | 5 | 4 |  |
| Max Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 | Partially cloudy Sky |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Westerly | Westerly | Easterly  | Easterly | Westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Pulses | Flowering | 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.  |
| *Bhindi* | Sowing | Weather condition is likely to remain favourable for sowing of Bhindi. Farmers are advised to sow the crop. The varieties *Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati, Bhawani, Krisna, Indranil, Kashi Bhairav* are recommended for sowing. Apply 200 quintal compost, 120 kg Nitrogen, 60 Kg Phosphorus and 60 Potassium per hectare. Seed rate@15-18 Kg/ha is advised. |
| 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 to siliqua formation | 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. |
| Pea | Pod development | Farmers are advised to monitor their pea crop against pod borer insects. If infestation occurs, spraying of Quinalphos 25 EC @1ml/liter of water is advised. |
| Pigeon pea  | Flowering | Farmers are advised to monitor pod borer in pigeon pea crop. If infestation occurs, spraying of Cartap hydrochloride @ 1.5ml/L of water is advised at the time of 50 % flowering.  |

 **(A. Sattar)**

**(Nodal Officer)**