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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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 21 | 21 | 22 | 22 | 24 | Maximum temperature will remain between 21-24°C and the minimum between 8- 11°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 8 | 9 | 10 | 10 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 21 | 20 | 21 | 22 | 23 | Maximum temperature will remain between 20-23°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 9 | 10 | 9 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 23 | Maximum temperature will remain between 20-23°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 11 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 23 | Maximum temperature will remain between 20-23°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 11 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 21 | 22 | 22 | Maximum temperature will remain between 19-22°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 10 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 21 | 22 | 22 | Maximum temperature will remain between 19-22°C and the minimum between 9 - 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 10 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | Easterly | Easterly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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**

**(31 January – 4 February, 2018)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 21 | 20 | 22 | 23 | 23 | Maximum temperature will remain between 20-23°C and the minimum between 8- 11°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 8 | 9 | 10 | 10 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | Easterly | westerly | Easterly | Easterly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 21 | 22 | 22 | 23 | 23 | Maximum temperature will remain between 21-23°C and the minimum between 8- 10°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 9 | 8 | 9 | 10 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | Easterly | westerly | Easterly | Easterly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 21 | 22 | 22 | Maximum temperature will remain between 19-22°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 10 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | Easterly | Easterly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 21 | 22 | 22 | Maximum temperature will remain between 19-22°C and the minimum between 9- 12C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 9 | 9 | 10 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 21 | 22 | 22 | 23 | 23 | Maximum temperature will remain between 21-23°0C and the minimum between 8- 10°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 9 | 8 | 9 | 10 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | Easterly | westerly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 23 | 22 | 22 | 23 | 24 | Maximum temperature will remain between 22-24°C and the minimum 8-11°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 8 | 9 | 10 | 10 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |  |
| Min Relative Humidity (%) | 40 | 40 | 40 | 40 | 40 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | Easterly | westerly | Easterly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(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. 9**  **Date: Tuesday, 30 January, 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 19.9°C and 8.5°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 11.6°C at 0700 hrs. and 18.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.9km/hr, 5.4 hours and 0.8 mm respectively. Dry weather prevailed during this period. Dense morning fog and cold day conditions persisted across north Bihar region.

**Medium Range Weather Forecast**

**(31 January – 4 February, 2018)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **31**  **January** | **1**  **February** | **2**  **February** | **3**  **February** | **4**  **February** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 23 | Maximum temperature will remain between 20-23°C and the minimum between 9- 12°C. Morning fog to continue for next 2-3 days at many places |
| Mini. T (°C) | 10 | 9 | 11 | 11 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | Easterly | Easterly | Easterly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Potato | Tuber formation | Farmers are advised to monitor their potato crop as prevailing weather condition is highly favorable for infestation of late blight disease in crop. Spraying of Diathane M-45 or Redomil @ 1.5 gram/liter of water is advised if infestation occurs. |
| Vegetable crops | - | Apply irrigation to vegetable crops if soil moisture is observed to be low. Farmers are advised to prepare their fields for sowing of summer vegetables. |
| Agroforesty plantation | Planting/nursery | Weather is congenial for planting of poplar saplings. Interested farmers are advised to propagate poplars by cuttings or branch planting. They are advised to collect seeds of shisam, Shirish. mahogany and sagwan and prepare nursery beds. |
| Mustard/Rapseed | Flowering | * Monitoring of aphid is advised in mustard crop. If insect population is found above ETL, spraying of Dimethoate 30 EC @2 ml/liter of water is advised. * Farmers are advised to monitor rapeseed and mustard crop against white rust and alternaria blight. Application of Mancogeb@ 2.0 gm per litre of water is advised under condition of infestation on the crop. |
| Maize | Knee high | Earthing up is advised in maize crop, which is in 50-60 days stage. Before earthing up, top dressing of nitrogen@40 kg per hectare is advised. |
| Sugarcane | Germination/Planting | The sugarcane crop planted in October-November has come to germination stage. During this phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period. |
| Mango | Pre-flowering stage | Before initiation of inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard. |
| Gram |  | Monitoring is advised for infestation of pod borer in Gram crop, installation of pheromone traps @ 3-4 traps per acre is advised. |

**(A. Sattar)**

**(Nodal Officer)**