|  |  |  |
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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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 11 | 11 | 10 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 10 | 11 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 25 | 26 | 27 | 28 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 25 | 26 | 27 | 28 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 10 | 11 | 11 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 11 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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**

**(30 December, 2017 - 3 January, 2018)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 21 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 10 | 11 | 11 | 10 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 22 | 23 | 25 | 25 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 20 | 22 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 11 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 18 | 20 | 22 | 23 | 24 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 11 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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. 101**  **Date: Friday, 29 December, 2017** | **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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 25 | 26 | 27 | 28 | Maximum temperature will remain between 20-24°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 10 | 11 | 11 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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 17.5°C and 10.3°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 79 percent at 1400 hrs. Soil temperature at 5 cm depth was 14.0°C at 0700 hrs. and 17.7°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 2.9km/hr, 1.5 hours and 0.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

**(30 December, 2017 - 3 January, 2018)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 25 | 26 | 27 | 27 | Maximum temperature will remain between 24-27°C and the minimum between 10-12°C. |
| Mini. T (°C) | 10 | 11 | 11 | 10 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(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**

**(30 December, 2017 - 3 January, 2018)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30th**  **December** | **31th**  **December** | **1st**  **January** | **2nd**  **January** | **3rd**  **January** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 25 | 26 | 27 | Maximum temperature will remain between 24-27°C and the minimum between 9-11°C. |
| Mini. T (°C) | 9 | 9 | 10 | 10 | 9 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 95 | 90 | 85 | 80 | 85 |  |
| Min Relative Humidity (%) | 65 | 55 | 50 | 50 | 55 |  |
| Wind speed (kmph) | 3 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Early vegetative stage/tillering | * Farmers are advised to remove weeds from wheat crop, which is in 30-35 days stage. For this purpose, spraying of solution of 33 gm Sulfosulfuron and 20 Metsulfuron in 500 liters of water per hectare is advised. * Farmers are advised to give 2nd irrigation in the crop, which is in 40-45 days stage. Application of 30kg nitrogen per hectare is also advised after irrigation. |
| Maize | Vegetative | Farmers are advised to give irrigation in 50-55 days old maize crop. Application of 50 kg nitrogen per hectare is also advised after irrigation. This will help the crop against cold wave condition. |
| Pea | Flowering | Spraying of 2 % urea is advised for proper growth of pods in the pea crop. |
| Vegetables | - | Inter culturing is advised in vegetables crops and apply irrigation as per moisture condition in the fields. Application of 2% urea solution in the pea crop is advised for better yield. |
| Mushroom | - | Low temperature may affect the growth of oyster and button mushroom. Arrange artificial warming in the mushroom culture room. |
| Animal care | - | Low temperature may adversely affect the milk production of milch animals. Farmers are advised to give protein enriched diet to the animals. Administer Calcium in the feed for the animals. Do not keep animal in open at night. |

**(A. Sattar)**

**(Nodal Officer)**