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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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 21 | 23 | 22 | Maximum temperature will remain between 19-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 9 | 8 | 8 | 9 | 10 |
| Cloud cover (okta) | 0 | 0 | 0 | 1 | 7 |  |
| Max Relative Humidity (%) | 49 | 44 | 70 | 70 | 45 |  |
| Min Relative Humidity (%) | 32 | 23 | 21 | 23 | 23 |  |
| Wind speed (kmph) | 10 | 5 |  0 | 0 | 7 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

**(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 25 | 25 | 26 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 9 | 9 | 8 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

**(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 24 | 25 | 25 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 7- 9°C. |
| Mini. T (°C) | 8 | 8 | 7 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 24 | 25 | 25 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 8 | 8 | 7 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 24 | 24 | 25 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 8 | 8 | 7 | 7 | 7 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

**(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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 24 | 24 | 25 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 10 | 10 | 9 | 9 | 9 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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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**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 19 | 20 | 20 | 20 | 22 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 7- 9°C. |
| Mini. T (°C) | 9 | 9 | 8 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(A. Sattar)**

**(Nodal Officer)**

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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 24 | 25 | 25 | Dry WeatherMaximum temperature will remain between 17-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 10 | 10 | 9 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 24 | 24 | 25 | Dry WeatherMaximum temperature will remain between 17-22°C and the minimum between 8-10°C. |
| Mini. T (°C) | 10 | 10 | 9 | 9 | 9 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 24 | 24 | 25 | Dry WeatherMaximum temperature will remain between 17-22°C and the minimum between 7-10°C. |
| Mini. T (°C) | 8 | 8 | 7 | 7 | 7 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 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) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 25 | 25 | 24 | 25 | 25 | Dry WeatherMaximum temperature will remain between 17-22°C and the minimum between 7-10°C. |
| Mini. T (°C) | 8 | 8 | 7 | 8 | 8 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 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) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 24 | 24 | 25 | Dry WeatherMaximum temperature will remain between 17-22°C and the minimum between 9-12°C. |
| Mini. T (°C) | 10 | 10 | 9 | 9 | 9 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(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. 100****Date: Tuesday, 26 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 23.5°C and 8.4°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.2°C at 0700 hrs. and 20.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.7km/hr, 4.5 hours and 1.4 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(27 - 31 December, 2017)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **27th** **December** | **28th****December** | **29th****December** | **30th** **December** | **31th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 24 | 24 | 23 | 24 | 24 | Dry WeatherMaximum temperature will remain between 19-22°C and the minimum between 6 -9°C. |
| Mini. T (°C) | 7 | 7 | 6 | 7 | 7 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 90 | 90 | 80 | 85 | 85 |  |
| Min Relative Humidity (%) | 50 | 50 | 40 | 40 | 50 |  |
| Wind speed (kmph) | 4 | 3 | 3 | 3 | 3 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly |  |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Animals | - | Under the prevailing low temperature and cold wave condition, farmers are advised to take proper care of milch animals in terms of shelter and feeds. To maintain milk production, animals should be given medicines such as Fatomax and M-Power and also give them a mixture of minerals and vitamins @50 gm per animal every day. Give probiotics to the animals to maintain proper digestion. Ample amount of fresh and clean water should also be given to the animals. |
| Wheat | Early vegetative stage/tillering | * If the attack of termite is observed in the wheat field, spray of Chloropyriphos 20 EC@ 2litres mixed with 20-25 kg sand per acre 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. |
| Marigold  | Flowering | To protect the marigold flowers against blight disease, spray of *Saaf* @1.5 gm per liter of water is advised.  |
| Mango | Pre-flowering stage | Before the commencement of inflorescence in mango trees, spray of Imidachlor @0.5 ml or Propinophos @1.0 ml per liter of water is advised in the tree caonopies. |
| 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. |

 **(A. Sattar)**

**(Nodal Officer)**