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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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 27 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 12 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water is advised.
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**(A. Sattar)**

**(Nodal Office)**

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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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 12 | 13 | 13 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water is advised.
 |

**(A. Sattar)**

**(Nodal Office)**

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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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 28 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 25 | 25 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 12 | 12 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 28 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 2017**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 28 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 27 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 13 | 12 | 12 | 12 | 13 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 24 | 23 | 24 | 24 | 24 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 23 | 11 | 12 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 25 | 26 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-14°C. |
| Mini. T (°C) | 12 | 12 | 13 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 26 | 26 | 27 | Maximum temperature will remain between 26-28°C and the minimum around 11-14°C. |
| Mini. T (°C) | 12 | 12 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 25 | 26 | 26 | 26 | Maximum temperature will remain between 26-28°C and the minimum around 11-14°C. |
| Mini. T (°C) | 12 | 12 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 27 | 27 | 27 | Maximum temperature will remain between 26-28°C and the minimum around 10-12°C. |
| Mini. T (°C) | 12 | 12 | 12 | 12 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
* Weeding and earthing- up are advised in early sown potato crop, which has attained the height of 15-20 cms. Give light irrigation if required.
 |
| Vegetables  | - | * Weeding is advised in vegetables. Provide light irrigation in vegetable crops such as cauliflower, cabbage, tomato, pea, chilli, brinjal etc as per soil moisture.
 |
| Pest Management | - | * Monitoring is advised for viral infestation i.e. leaf curl symptoms in chili and tomato crop. If infestation is found then spraying of Imidacloroprid 17.8 EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying.
* Monitoring is advised for termite/Cut worm infestation in newly transplanted vegetables and maize crop. If infestation occurs then spraying of chlorpyrifos 20EC@2-3ml/L of water 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. 92****Date: Tuesday, 28 November, 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 26.9°C and 11.4°C respectively. Average relative humidity was 89 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.6°C at 0700 hrs. and 21.8°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.4km/hr, 5.8 hours and 1.6 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

 **(29th November -3rd December, 2017)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **29th** **November** | **30th****November** | **1st****December** | **2nd** **December** | **3rd** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 26 | 27 | 29 | Maximum temperature will remain between 26-28°C and the minimum around 10-12°C. |
| Mini. T (°C) | 12 | 12 | 12 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 0 | 0 | 0 |  |
| Max Relative Humidity (%) | 60 | 60 | 60 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | Easterly | Easterly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Complete the sowing of timely sown wheat up to 10th December. *PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39* varieties are recommended for timely sowing. Application of 15-20 ton FYM manures, 60 kg nitrogen, 60 kg phosphorus and 40 kg potash per hectare is advised before sowing.
* Farmers are advised to give irrigation in early sown wheat crop which reaches Crown Root Initiation (CRI) stage (21-25 days after sowing). Apply nitrogenous fertilizer 2-3 days after irrigation.
 |
| Gram | Sowing | Complete the sowing of gram up to 10 December. *Pusa-256, KPG-59(Udai), and Pusa-372* varieties are recommended for sowing in this region. Seed should be treated with Vitavax@2gm/kg.  |
| Maize | Sowing | * Complete the sowing of maize at the earliest. *Shaktiman-1 white, Shaktiman-2 white, Shaktiman-3 yellow, Shaktiman-4 yellow, Shaktiman-5 yellow, Ganga-11 orange yellow, Rajendra sanker makka-1 Rajendra sanker makka-2, and Rajendra sanker makka deepjwala* varieties of hybrid maizeand *Dewki white, Lakshmi white and Suaan yellow* varieties of composite maize are recommended in this region.
* Weeding is advised in 25-30 days old maize crop.
 |
| Potato | Planting | * Complete the planting of potato at the earliest. *Kufri jyoti, Kufri ashoka, Kufri pukharaj, Kufri chandramukhi, Kufri badhsha, Kufri lalima,Kufri sinduri, Kufri arun, Kufri girdhari, Kufri sadabahar,Kufri anand,Kufri pusker, Rajendra alu 1, Rajendra alu 2 and Rajendra alu 3,* varieties are recommended for planting in north Bihar region.
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 **(A. Sattar)**

**(Nodal Officer)**