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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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 26 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 12 | 12 | 13 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | Easterly | Easterly | Easterly | Easterly | Easterly | Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 26 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 12 | 12 | 13 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 28 | 28 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 11 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 28 | 28 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 11 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 26 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 12 | 12 | 13 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(A. Sattar)**

**(Nodal Officer)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 13 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
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| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 13 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 13 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 13 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 27 | 27 | 26 | 26 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 12 | 12 | 13 | 13 | 12 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 28 | 28 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 11 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 13 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | * Temperature and other Agrometeorological conditions are remaining congenial for sowing of wheat crop. 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 sown condition. 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). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Sugarcane | Planting | Planting of healthy seeds of sugarcane is advised. *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154* varieties are recommended for planting in this region. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Gram | Sowing | Complete the sowing of gram upto 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. 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 12-15 cm. 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. * 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](mailto:EC@2ml/L%20or%20Imidacloroprid%2017.8) EC@1ml/3 liter of water is advised. Affected plants should be uprooted and destroyed before spraying. |
| Animals |  | * Farmers are advised to provide vaccination to milch animals and baffalows against foot and mouth disease. Against Degnala disease, administer mineral mixture@50 gm to adult animals and 20 gm to calves every day. |

**(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. 93**  **Date: Friday, 1 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 25.4°C and 9.9°C respectively. Average relative humidity was 90 percent at 0700 hrs. and 63 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.8°C at 0700 hrs. and 21.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.6 hours and 2.0 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(2nd -6th December, 2017)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **2nd**  **December** | **3rd**  **December** | **4th**  **December** | **5th**  **December** | **6th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 28 | 28 | 27 | 27 | 28 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 11 | 11 | 12 | 12 | 11 |
| Cloud cover (okta) | 0 | 0 | 3 | 3 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 75 | 75 | 75 |  |
| Min Relative Humidity (%) | 40 | 40 | 45 | 45 | 45 |  |
| Wind speed (kmph) | 4 | 4 | 4 | 4 | 4 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Westerly/Easterly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
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