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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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Begusarai)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 27 | 25 | 26 | 26 | Maximum temperature will remain between 25-28°C and the minimum around 12-15°C. |
| Mini. T (°C) | 12 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 1 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Darbhanga)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 26 | 27 | 26 | Maximum temperature will remain between 26-29°C and the minimum around 12-15°C. |
| Mini. T (°C) | 14 | 14 | 14 | 14 | 15 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(East Champaran)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 25 | 25 | 27 | 26 | Maximum temperature will remain between 25-28°C and the minimum around 13-15°C. |
| Mini. T (°C) | 14 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Gopalganj)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 23 | 25 | 27 | 26 | Maximum temperature will remain between 26-29°C and the minimum around 13-15°C. |
| Mini. T (°C) | 14 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **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 13-15°C. |
| Mini. T (°C) | 14 | 15 | 14 | 15 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Muzaffarpur)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 24 | 25 | 27 | 26 | Maximum temperature will remain between 24-28°C and the minimum around 13-15°C. |
| Mini. T (°C) | 14 | 13 | 15 | 15 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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)**

|  |  |  |
| --- | --- | --- |
| **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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 26 | 26 | 25 | 26 | 26 | Maximum temperature will remain between 25-28°C and the minimum around 12-15°C. |
| Mini. T (°C) | 13 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 1 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 24 | 25 | 28 | 26 | Maximum temperature will remain between 26-29°C and the minimum around 12-15°C. |
| Mini. T (°C) | 13 | 13 | 15 | 15 | 15 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 24 | 25 | 27 | 26 | Maximum temperature will remain between 26-29°C and the minimum around 12-15°C. |
| Mini. T (°C) | 14 | 13 | 14 | 14 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 25 | 25 | 27 | 26 | Maximum temperature will remain between 25-28°C and the minimum around 12-15°C. |
| Mini. T (°C) | 13 | 13 | 14 | 14 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 23 | 25 | 27 | 26 | Maximum temperature will remain between 26-29°C and the minimum around 12-13°C. |
| Mini. T (°C) | 13 | 13 | 15 | 15 | 15 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 25 | 25 | 26 | 26 | Maximum temperature will remain between 25-28°C and the minimum around 12-15°C. |
| Mini. T (°C) | 13 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 1 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 94**  **Date: Tuesday, 5 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 25.8°C and 8.5°C respectively. Average relative humidity was 92 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 12.0°C at 0700 hrs. and 22.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 5.4 hours and 1.8 mm respectively. Mainly dry weather prevailed during this period.

**Medium Range Weather Forecast**

**(6th -10th December, 2017)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **6th**  **December** | **7th**  **December** | **8th**  **December** | **9th**  **December** | **10th**  **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Mainly dry |
| Max. T (°C) | 25 | 26 | 25 | 27 | 27 | Maximum temperature will remain between 26-29°C and the minimum around 13-15°C. |
| Mini. T (°C) | 15 | 13 | 15 | 14 | 14 |
| Cloud cover (okta) | 6 | 4 | 7 | 5 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 5 | 5 | 5 | 5 | 5 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Mustard  *(Rai)* | Sowing | Complete the sowing of late sown mustard *rai* is advised. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Wheat | 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. |
| Potato | Planting | * Farmers are advised to finish 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. |
| Rabi onion | Land preparation | * Land preparation is advised for sowing onion. Application of 20 Ton/ha FYM, 60kg nitrogen, 80 kg phosphorus, 80 kg potash and 40kg sulphur is advised during land preparation. * Farmers are advised to remove weeds from onion nursery. Give irrigation if required. |
| Fodder crops | Sowing | Sowing of fodder crops such as *Barseem* and Oat are advised for milch animals. |
| 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. |
| 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)**