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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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 28 | 29 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 14 | 14 | 15 | 16 | 15 |
| Cloud cover (okta) | 5 | 3 | 1 | 0 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |  |
| Min Relative Humidity (%) | 30 | 40 | 40 | 50 | 50 |  |
| 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) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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.
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**(A. Sattar)**

**(Nodal Office)**

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| **GRAMIN KRISHI MAUSAM SEWA (GKMS)****AGRO-METEOROLOGY DIVISION****Dr. Rajendra Prasad Central Agricultural University, Pusa** **Samastipur, Bihar -848 125** |
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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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 27 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 12 | 11 | 10 | 10 | 11 |
| Cloud cover (okta) | 3 | 3 | 0 | 0 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 60 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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.
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**(A. Sattar)**

**(Nodal Office)**

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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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(East Champaran)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 30 | 29 | 28 | 28 | 28 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 14 | 13 | 12 | 12 | 11 |
| Cloud cover (okta) | 1 | 1 | 0 | 0 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 |  2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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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**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 28 | 29 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 13 | 14 | 13 | 13 | 12 |
| Cloud cover (okta) | 1 | 1 | 0 | 0 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 |  2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 27 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 12 | 11 | 10 | 10 | 11 |
| Cloud cover (okta) | 3 | 3 | 0 | 0 | 1 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 |  2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
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| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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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**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 26 | 26 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 16 | 15 | 15 | 13 | 13 |
| Cloud cover (okta) | 2 | 3 | 0 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 |  2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
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| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
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| 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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**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 14 | 14 | 15 | 15 | 16 |
| Cloud cover (okta) | 5 | 3 | 1 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 80 | 80 | 80 | 80 | 50 |  |
| Min Relative Humidity (%) | 30 | 40 | 40 | 40 | 40 |  |
| 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) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 28 | 27 | 28 | 28 | 29 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 14 | 14 | 15 | 15 | 16 |
| Cloud cover (okta) | 2 | 1 | 0 | 0 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 20 |  |
| Wind speed (kmph) | 2 | 2 |  2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 26 | 26 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 16 | 15 | 15 | 13 | 13 |
| Cloud cover (okta) | 5 | 3 | 1 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Sitamadhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 26 | 26 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 16 | 15 | 15 | 13 | 13 |
| Cloud cover (okta) | 5 | 3 | 1 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 27 | 26 | 26 | 26 | 26 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 16 | 15 | 15 | 13 | 13 |
| Cloud cover (okta) | 5 | 3 | 1 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 30 |  |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | westerly | westerly | westerly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 30 | 29 | 28 | 28 | 28 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 14 | 13 | 12 | 12 | 12 |
| Cloud cover (okta) | 5 | 3 | 0 | 1 | 0 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 80 | 70 |  |
| Min Relative Humidity (%) | 30 | 40 | 40 | 40 | 40 |  |
| 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) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
 |
| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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. 95****Date: Friday, 8 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 26.3°C and 11.2°C respectively. Average relative humidity was 94 percent at 0700 hrs. and 62 percent at 1400 hrs. Soil temperature at 5 cm depth was 13.3°C at 0700 hrs. and 21.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 1.1km/hr, 6.2 hours and 1.6 mm respectively. Dry weather prevailed during this period. Light morning fog persisted upto 7-8 AM across north Bihar region.

**Medium Range Weather Forecast**

 **(9 - 13 December, 2017)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9th** **December** | **10th****December** | **11th****December** | **12th** **December** | **13th** **December** | **Remarks** |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 | Dry Weather |
| Max. T (°C) | 30 | 29 | 28 | 28 | 28 | Maximum temperature will remain between 27-29°C and the minimum between 14-16°C. |
| Mini. T (°C) | 13 | 13 | 12 | 12 | 11 |
| Cloud cover (okta) | 1 | 1 | 0 | 0 | 3 | Partially cloudy sky |
| Max Relative Humidity (%) | 70 | 70 | 70 | 60 | 50 |  |
| Min Relative Humidity (%) | 30 | 30 | 30 | 30 | 20 |  |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |  |
| Wind direction(deg) | westerly | westerly | Easterly | Easterly | Easterly | Easterly/ westerly |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| Crops | Phenophases | Advisory (Based on weather forecast) |
| Wheat | Sowing | Farmers are advised to give irrigation in early sown wheat crop, which is in Crown Root Initiation (CRI) stage (21-25 days after sowing). Application of 30kg nitrogen per hectare is advised 2-3 days after irrigation. |
| Potato | Planting/early vegetative stage  | * 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.
 |
| Sugarcane | Planting | Farmers are advised to plant healthy seeds of sugarcane varieties such as *COP-9301, COP-2061, COP-112, BO-91, BO-153, BO-154*. Seed treatment with Carbendazim@1gm/liter of water is advised for 10 minutes before planting. |
| Mustard*(Rai)* | Sowing | Complete the sowing of late sown mustard at the earliest. *Rajendra rai picheti (RAURD-9403), Rajendra anukul (RAURD-1002) and Rajendra suflam (RAURDL 02-01)* varieties are suitable for late sowing in this region. |
| Rabi onion | Sowing | * Planting of onion is advised. 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.
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| Fodder crops | Sowing | Farmers are advised the sowing of fodder crops such as *Barseem* and Oat 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.
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 **(A. Sattar)**

**(Nodal Officer)**