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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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **2** | **5** | **Light rainfall** |
| **Max. T (°C)** | **39** | **40** | **40** | **40** | **39** | **Maximum temperature will remain between 39-40°C and the minimum between 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **27** | **27** | **27** |
| **Cloud cover (okta)** | **4** | **2** | **0** | **1** | **2** |  **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **2** | **5** | **10** | **Light Rainfall** |
| **Max. T (°C)** | **36** | **37** | **38** | **38** | **38** | **Maximum temperature will remain between 36-38°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **3** | **1** | **0** | **3** | **2** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **40** | **40** | **40** | **40** | **40** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **2** | **5** | **Light rainfall** |
| **Max. T (°C)** | **37** | **37** | **38** | **36** | **36** | **Maximum temperature will remain between 36-38°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **25** | **25** |
| **Cloud cover (okta)** | **1** | **2** | **0** | **3** | **0** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **80** | **75** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **38** | **38** | **39** | **38** | **38** | **Maximum temperature will remain between 38-39°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **26** | **26** | **27** | **26** | **25** |
| **Cloud cover (okta)** | **0** | **0** | **0** | **0** | **1** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **2** | **10** | **10** | **Light Rainfall** |
| **Max. T (°C)** | **35** | **36** | **36** | **36** | **35** | **Maximum temperature will remain between 35-36°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **27** | **26** |
| **Cloud cover (okta)** | **3** | **1** | **0** | **3** | **2** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **40** | **40** | **40** | **40** | **40** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **37** | **38** | **39** | **40** | **40** | **Maximum temperature will remain between 37-40°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **2** | **0** | **0** | **0** | **1** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **73** | **79** | **74** | **71** | **72** |  |
| **Min Relative Humidity (%)** | **23** | **28** | **24** | **27** | **28** |  |
| **Wind speed (kmph)** | **22** | **29** | **31** | **26** | **29** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **2** | **5** | **10** | **Light rainfall** |
| **Max. T (°C)** | **37** | **38** | **39** | **39** | **37** | **Maximum temperature will remain between 37-39°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **2** | **1** | **1** | **0** | **1** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **40** | **40** | **40** | **40** | **40** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **39** | **40** | **40** | **40** | **40** | **Maximum temperature will remain between 39-40°C and the minimum between 27- 28°C.** |
| **Mini. T (°C)** | **27** | **28** | **28** | **28** | **27** |
| **Cloud cover (okta)** | **0** | **1** | **0** | **0** | **2** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **2** | **5** | **Light rainfall** |
| **Max. T (°C)** | **27** | **27** | **28** | **36** | **36** | **Maximum temperature will remain between 36-38°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **25** | **25** |
| **Cloud cover (okta)** | **1** | **2** | **0** | **3** | **0** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **80** | **75** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **2** | **5** | **Light rainfall**  |
| **Max. T (°C)** | **36** | **37** | **37** | **37** | **36** | **Maximum temperature will remain between 36-37°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **27** | **26** |
| **Cloud cover (okta)** | **2** | **1** | **0** | **0** | **1** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **40** | **40** | **40** | **40** | **40** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **38** | **39** | **39** | **40** | **40** | **Maximum temperature will remain between 38-40°C and the minimum between 27- 28°C.** |
| **Mini. T (°C)** | **27** | **28** | **28** | **28** | **27** |
| **Cloud cover (okta)** | **0** | **1** | **0** | **0** | **2** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **38** | **39** | **40** | **39** | **40** | **Maximum temperature will remain between 38-40°C and the minimum between 27- 29°C.** |
| **Mini. T (°C)** | **28** | **29** | **28** | **27** | **27** |
| **Cloud cover (okta)** | **2** | **0** | **0** | **0** | **2** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **20** | **20** | **20** | **20** | **20** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |  **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
 |
| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**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. 36****Date: Friday, 25 May, 2018**  | **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 34.6°C and 26.6°C respectively. Average relative humidity was 85 percent at 0700 hrs. and 69 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.4°C at 0700 hrs. and 34.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.2 hours and 5.6 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

 **(26 -30 May, 2018)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **26 May** | **27 May** | **28 May** | **29 May** | **30 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **5** | **2** | **Light rainfall** |
| **Max. T (°C)** | **38** | **38** | **39** | **39** | **38** | **Maximum temperature will remain between 38-39°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **25** |
| **Cloud cover (okta)** | **1** | **2** | **0** | **3** | **0** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **80** | **75** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **10** | **15** | **20** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Paddy | Nursery sowing | Weather condition is congenial for seeding of paddy seeds in the nursery. Farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, seeding upto 10 June is advised. However, for medium duration varieties, farmers can sow it during 10-25 June. For direct seeding of rice, farmers can do the work of seeding in the nursery in the next week itself. For this, they should have the provision of irrigation. In case of short duration varieties and the aromatic rice varieties, the suitable time for seeding is during 20 June to 10 July. If the seeds of aromatic varieties are sown earlier, it will affect the aroma of rice. During land preparation, application of cow dung is suggested for good and healthy seedlings. |
| *Kharif* maize | Sowing | Sowing of kharif maize varieties such as Shaktiman 1, Shaktiman 2, Shaktiman 3, Shaktiman 4, Shaktiman 5, Rajendra Shankar makka 3 and Suwan and Deoki is recommended. |
| Green manuring crops  | Sowing | Sowing of dhaincha, mung (green gram), senai crops are advised for the purpose of green manuring in the field. |
| Chilli | Fruiting  | Rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. Thereafter spraying of imidaclorprid @1ml per 3 liter water solution is advised to control the vector. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| Cucurbitaceous crop | Fruiting | * Optimum moisture should be maintained in cucurbitaceous crops by giving light and frequent irrigation in short intervals as dry conditions may lead to flowering and poor pollination and it results yield losses.
* In cucurbitaceous crops, if attack of red pumpkin beetle is found than; Spraying of Diclorvos 76 EC (DDVP) @ 1 ml per litre of water is advised.
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| Kharif onion | Nursery preparation | For healthy seedlings of onion, application of FYM in soil during land preparation for kharif onion nursery is advised. Optimum moisture should be maintained in the soil. |

**A. Sattar)**

**(Nodal Officer)**