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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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **5** | **2** | **10** | **10** | **5** | **Light rainfall** |
| **Max. T (°C)** | **36** | **36** | **36** | **35** | **36** | **Maximum temperature will remain between 35-36°C and the minimum between 26-28°C.** |
| **Mini. T (°C)** | **27** | **27** | **28** | **26** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **6** | **6** | **8** |  **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **15** | **15** | **15** | **Light Rainfall** |
| **Max. T (°C)** | **36** | **36** | **35** | **35** | **34** | **Maximum temperature will remain between 34-36°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **37** | **36** | **36** | **37** | **35** | **Maximum temperature will remain between 35-37°C and the minimum between 26- 28°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **28** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **37** | **36** | **36** | **37** | **35** | **Maximum temperature will remain between 35-37°C and the minimum between 26- 28°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **28** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 2018**  | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **30** | **25** | **25** | **Light Rainfall** |
| **Max. T (°C)** | **35** | **35** | **34** | **33** | **33** | **Maximum temperature will remain between 33-35°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
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| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(A. Sattar)**

 **(Nodal Officer)**

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

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **36** | **36** | **36** | **36** | **35** | **Maximum temperature will remain between 35-36°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **5** | **5** | **10** | **10** | **10** | **Light rainfall** |
| **Max. T (°C)** | **36** | **36** | **35** | **35** | **34** | **Maximum temperature will remain between 34-36°C and the minimum between 27- 28°C.** |
| **Mini. T (°C)** | **27** | **28** | **27** | **27** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **6** | **6** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **37** | **36** | **36** | **37** | **35** | **Maximum temperature will remain between 35-37°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **36** | **36** | **36** | **36** | **35** | **Maximum temperature will remain between 35-36°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **27** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall**  |
| **Max. T (°C)** | **35** | **36** | **36** | **35** | **35** | **Maximum temperature will remain between 35-36°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **26** | **27** | **27** | **26** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **15** | **15** | **Light rainfall** |
| **Max. T (°C)** | **37** | **36** | **36** | **37** | **35** | **Maximum temperature will remain between 35-37°C and the minimum between 26- 28°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **28** | **27** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **5** | **2** | **10** | **10** | **10** | **Light rainfall** |
| **Max. T (°C)** | **38** | **37** | **37** | **37** | **36** | **Maximum temperature will remain between 36-38°C and the minimum between 28- 29°C.** |
| **Mini. T (°C)** | **28** | **28** | **29** | **28** | **28** |
| **Cloud cover (okta)** | **5** | **6** | **6** | **6** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |  **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| Sugarcane | Active vegetative stage | Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation upon earthing up.  |
| Paddy | Nursery sowing | In view of timely onset of monsoon in Bihar, farmers are advised to start the sowing of paddy in the nurseries. For long duration varieties of paddy, farmers are advised to do its seeding at the earliest. 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 | Sufficient sowing moisture has been attained for proper germination of maize seeds. Under such situation, 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. Apply 30 kg N, 60 Kg phosphorus and 50 kg potassium per hecate at the time of sowing. |
| *Kharif* onion | Nursery preparation | Nursery preparation is advised for *kharif* onion. Application of FYM/compost is also advised in nursery for healthy seedlings. *Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan* are recommended varieties for *kharif* onion. Farmers are advised to arrange the seeds from reliable sources.  |
| Green fodders  | Sowing | Sowing of *jowar, bajra* and maize for green fodders is advised. Farmers are advised to intercrop it with *mainth, lobia* and rice bean in order to enhance the quality of green fodders to be fed to the animals. |
| Green gram/ Black gram | Harvesting | As more rain is forecasted in the next 4-5 days, farmers are advised to keep their harvested crops of green gram and black gram in safe places. They are also advised to do the work of picking of matured pods of black gram/green gram giving top priority as monsoon is likely to enter in this part of Bihar after the forecasted period. |
| Litchi Orchard | - | Ploughing of litchi orchard and application of fertilizers and FYM is advised after harvesting of litchi fruits. |
| Animal  | - | Vaccination of cattles is advised against Anthrax, Black Quarter etc. |

**(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. 40****Date: Friday, 8 June, 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 35.7°C and 26.8°C respectively. Average relative humidity was 80 percent at 0700 hrs. and 60 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.7°C at 0700 hrs. and 36.1°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 8.1 km/hr, 7.8 hours and 5.8 mm respectively. Light to medium rainfall occurred at many places of north Bihar districts.

**Medium Range Weather Forecast**

 **(09 - 13 June, 2018)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **9 June** | **10 June** | **11 June** | **12 June** | **13 June** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **20** | **20** | **Light rainfall** |
| **Max. T (°C)** | **35** | **35** | **34** | **35** | **33** | **Maximum temperature will remain between 33-35°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **26** | **25** |
| **Cloud cover (okta)** | **6** | **6** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **55** | **55** | **55** | **55** | **55** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
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**(A. Sattar)**

**(Nodal Officer)**