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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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs. and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs. and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr. 6.5 hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **10** | **5** | **5** | **Light to medium rainfall** |
| **Max. T (°C)** | **35** | **34** | **34** | **35** | **35** | **Maximum temperature will remain between 34-35°C and the minimum between 26-27°C.** |
| **Mini. T (°C)** | **27** | **26** | **26** | **27** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **6** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **90** | **90** | **90** | **90** |  |
| **Min Relative Humidity (%)** | **60** | **60** | **60** | **60** | **60** |  |
| **Wind speed (kmph)** | **10** | **10** | **5** | **5** | **5** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Westerly** | **Westerly** | **Westerly** | **Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **5** | **5** | **5** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **33** | **34** | **Maximum temperature will remain between 33-34°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **25** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **30** | **20** | **15** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **32** | **31** | **31** | **32** | **Maximum temperature will remain between 31-34°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **26** | **25** | **26** |
| **Cloud cover (okta)** | **7** | **8** | **8** | **8** | **8** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **10** | **10** | **10** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **32** | **34** | **Maximum temperature will remain between 32-34°C and the minimum between 24- 25°C.** |
| **Mini. T (°C)** | **26** | **27** | **26** | **27** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **10** | **20** | **10** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **32** | **31** | **33** | **Maximum temperature will remain between 31-34°C and the minimum between**  **26 - 27°C.** |
| **Mini. T (°C)** | **27** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **10** | **10** | **10** | **10** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **31** | **34** | **Maximum temperature will remain between 31-34°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **27** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **5** | **5** | **5** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **33** | **34** | **Maximum temperature will remain between 33-34°C and the minimum between 25- 27°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **25** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **10** | **10** | **10** | **10** | **Light to medium rainfall** |
| **Max. T (°C)** | **35** | **33** | **34** | **31** | **35** | **Maximum temperature will remain between 31-35°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **10** | **10** | **5** | **10** | **5** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **32** | **33** | **Maximum temperature will remain between 32-34°C and the minimum 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **26** | **26** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(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. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **20** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **35** | **33** | **32** | **32** | **33** | **Maximum temperature will remain between 32-35°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **10** | **10** | **10** | **10** | **Light to medium rainfall** |
| **Max. T (°C)** | **35** | **33** | **34** | **31** | **35** | **Maximum temperature will remain between 31-35°C and the minimum between**  **26 - 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.2°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **5** | **10** | **5** | **5** | **5** | **Light to medium rainfall** |
| **Max. T (°C)** | **35** | **34** | **35** | **34** | **34** | **Maximum temperature will remain between 34-35°C and the minimum between**  **26 - 27°C.** |
| **Mini. T (°C)** | **27** | **26** | **27** | **27** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **90** | **90** | **90** | **90** |  |
| **Min Relative Humidity (%)** | **60** | **60** | **50** | **50** | **50** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**

|  |  |  |
| --- | --- | --- |
| **GRAMIN KRISHI MAUSAM SEWA (GKMS)**  **AGRO-METEOROLOGY DIVISION**  **Dr. Rajendra Prasad Central Agricultural University, Pusa**  **Samastipur, Bihar -848 125** | | |
| **Bulletin No. 46**  **Date: Friday, 29 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 34.1°C and 26.4°C respectively. Average relative humidity was 84 percent at 0700 hrs.and 72 percent at 1400 hrs. Soil temperature at 5 cm depth was 29.5°C at 0700 hrs.and 34.9°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 9.4 km/hr, 6.5hours and 4.8 mm respectively.

**Medium Range Weather Forecast**

**(30 June -4 July, 2018)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **30 June** | **1 July** | **2 July** | **3 July** | **4 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **30** | **20** | **15** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **32** | **31** | **31** | **32** | **Maximum temperature will remain between**  **31 - 34°C and the minimum between**  **25 - 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **26** | **25** | **26** |
| **Cloud cover (okta)** | **7** | **8** | **8** | **8** | **8** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **90** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **60** | **65** | **65** | **65** | **65** |  |
| **Wind speed (kmph)** | **10** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Westerly** | **Westerly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Complete the nursery sowing of medium duration rice crop. *Sita, Santosh, Saroj, Rajshri, Prabhat, Rajendra suvasni, Rajendra kasturi* and *Rajendra bhagwati* varieties of medium duration rice are recommended for North Bihar. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| Vegetables | Sowing | Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare. |
| Summer maize | Harvesting | In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize. |
| Sunflower | Sowing | Sowing of sunflower is advised in upland areas. *Mordane, Surya, C O-1, Pairadevik and DRSF-108* for composite and *BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8* for hybrid varieties of sunflower are recommended for North Bihar. Application of 100 quintal FYM, 30 kg Nitrogen and 80 kg Phosphorus, 30-40 kg Potash per hectare is suggested during land preparation.Seed should be treated with thiram/captaaf @ 2 gram/ kg of seed. |
| Sesamum *(Til)* | Sowing | Taking advantage of rainfall in the forecasted period, sowing of sesamum is advised in the upland areas. *Krishna, Kaakee safed, Kalika, Pragati* varieties are recommended for sowing in North Bihar. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation. Seed rate@ 4kg/ha is suggested. Before sowing, seed should be treated with Thiram@2gm/kg of seed. |

**(A. Sattar)**

**(Nodal Officer)**