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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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **31** | **32** | **31** | **Maximum temperature will remain between 31-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Westerly/Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **31** | **32** | **31** | **32** | **32** | **Maximum temperature will remain between 31-32°C and the minimum between 24- 25°C.** |
| **Mini. T (°C)** | **25** | **25** | **24** | **24** | **25** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **33** | **33** | **33** | **32** | **32** | **Maximum temperature will remain between 32-33°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **25** | **26** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **33** | **33** | **33** | **32** | **32** | **Maximum temperature will remain between 32-33°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **25** | **26** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **31** | **32** | **31** | **32** | **32** | **Maximum temperature will remain between 31-32°C and the minimum between**  **24 - 25°C.** |
| **Mini. T (°C)** | **25** | **25** | **24** | **24** | **25** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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**

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**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **32** | **31** | **31** | **Maximum temperature will remain between 31-32°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **24** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
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| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **31** | **32** | **32** | **Maximum temperature will remain between 31-32°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **34** | **33** | **32** | **32** | **Maximum temperature will remain between 32-34°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **25** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **32** | **31** | **31** | **Maximum temperature will remain between 31-32°C and the minimum 24 - 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **24** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **32** | **31** | **31** | **Maximum temperature will remain between 31-32°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **24** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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**

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**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **15** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **34** | **34** | **33** | **32** | **32** | **Maximum temperature will remain between 32-34°C and the minimum between**  **25 - 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **25** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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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**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **15** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **32** | **31** | **32** | **31** | **Maximum temperature will remain between 31-32°C and the minimum between**  **24 - 26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **24** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **10** | **10** | **15** | **15** |  |
| **Wind direction(deg)** | **Westerly** | **Westerly** | **Easterly** | **Easterly** | **Easterly** | **Easterly/ Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| *Kharif* paddy | Nursery  Sowing/ Transplanting | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(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. 47**  **Date: Tuesday, 3 July, 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 31.3°C and 25.9°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 75 percent at 1400 hrs. Soil temperature at 5 cm depth was 28.5°C at 0700 hrs. and 33.5°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.5 km/hr. 4.5 hours and 4.9 mm respectively. Widespread rainfall activity was reported from all across north Bihar districts. In some districts of *Terai* region, medium to heavy rainfall occurred causing water stagnation and flooding situation in many areas.

**Medium Range Weather Forecast**

**(4 – 8 July, 2018)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **4 July** | **5 July** | **6 July** | **7 July** | **8 July** | **Remarks** |
| **Rainfall(mm)** | **20** | **15** | **20** | **10** | **20** | **Light to medium rainfall** |
| **Max. T (°C)** | **32** | **33** | **33** | **32** | **32** | **Maximum temperature will remain between**  **32 - 33°C and the minimum between**  **25 - 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **25** | **26** |
| **Cloud cover (okta)** | **7** | **7** | **7** | **7** | **7** | **Cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **100** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **65** | **65** | **70** | **65** | **70** |  |
| **Wind speed (kmph)** | **15** | **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 | * Farmers who have not sown their paddy seeds in the nursery are advised to complete the nursery seeding at the earliest. Before sowing, seeds should be treated with Carbendazim@1.5 gram/kg of seed. Weeding is advised in 10-12 days old paddy nursery. * In the preceding two days, there has been widespread rainfall all across north Bihar, with medium to heavy rainfall being recorded in the districts of *Terai* region. Taking advantage of such good rainfall, farmers are advised to start the transplanting operation of paddy seedlings in the low land areas. * Where seedlings are ready and irrigation facilities are available, farmers can start rice transplanting particularly in the medium and low land areas. |
| *Kharif crops* | \_ | In the areas where heavy rainfall has occurred during the last 2-3 days, farmers are advised to drain out excess water from the fields of maize and vegetable crops. |
| 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. |
| Agro-forestry plantation | Sapling plantation | Prevailing weather is favorable for planting of new orchards. Before planting, pits should be treated with Cloropyrifos 20 EC@5 ml/ liter of water to prevent termite and white grub infestation. |

**(A. Sattar)**

**(Nodal Officer)**