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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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **10** | **20** | **20** | **20** | **10** | **Light to medium** |
| **Max. T (°C)** | **33** | **32** | **33** | **32** | **33** | **Maximum temperature will remain between 32-33°C and the minimum between 26-27°C.** |
| **Mini. T (°C)** | **26** | **26** | **27** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **6** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **100** | **100** | **100** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

**(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **30** | **30** | **30** | **30** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **31** | **31** | **30** | **30** | **Maximum temperature will remain between 30-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **24** | **24** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **100** | **100** | **100** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **40** | **20** | **15** | **40** | **40** | **Light to medium** |
| **Max. T (°C)** | **32** | **32** | **32** | **31** | **32** | **Maximum temperature will remain between 31-32°C and the minimum between 25-26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **7** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **100** | **100** | **100** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **40** | **20** | **15** | **20** | **20** | **Light to medium** |
| **Max. T (°C)** | **33** | **33** | **34** | **33** | **34** | **Maximum temperature will remain between 33-34°C and the minimum between 25-27°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **27** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **7** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **100** | **100** | **100** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **30** | **30** | **30** | **30** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **31** | **31** | **30** | **30** | **Maximum temperature will remain between 30-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **24** | **24** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **100** | **100** | **100** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
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 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
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 |
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| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** |  **Phone No : 06274-240266** |

**Weather during the previous forecast period**

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**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **50** | **30** | **20** | **30** | **30** | **Light to medium** |
| **Max. T (°C)** | **31** | **32** | **32** | **32** | **33** | **Maximum temperature will remain between 31-33°C and the minimum between 25-27°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **7** | **8** | **8** | **7** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
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* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **30** | **30** | **30** | **30** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **31** | **31** | **30** | **30** | **Maximum temperature will remain between 30-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **25** | **26** | **25** | **25** | **24** |
| **Cloud cover (okta)** | **8** | **7** | **8** | **8** | **7** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **40** | **30** | **10** | **20** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **32** | **32** | **32** | **33** | **Maximum temperature will remain between 32-33°C and the minimum between 26-27°C.** |
| **Mini. T (°C)** | **26** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **7** | **8** | **8** | **7** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **20** | **20** | **20** | **20** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **31** | **31** | **31** | **31** | **Maximum temperature will remain between 31-32°C and the minimum between 25-26°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **26** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **30** | **30** | **30** | **30** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **31** | **31** | **30** | **30** | **Maximum temperature will remain between 30-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **26** | **25** | **25** | **24** | **24** |
| **Cloud cover (okta)** | **8** | **8** | **8** | **8** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **40** | **30** | **10** | **20** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **32** | **32** | **32** | **33** | **Maximum temperature will remain between 32-33°C and the minimum between 26-27°C.** |
| **Mini. T (°C)** | **26** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **8** | **7** | **8** | **8** | **7** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
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* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
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 |
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 |
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| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **50** | **30** | **20** | **20** | **20** | **Light to medium** |
| **Max. T (°C)** | **32** | **32** | **31** | **30** | **30** | **Maximum temperature will remain between 30-32°C and the minimum between 24-26°C.** |
| **Mini. T (°C)** | **26** | **26** | **25** | **25** | **24** |
| **Cloud cover (okta)** | **8** | **7** | **8** | **8** | **7** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases**  | **Advisory (Based on weather forecast)** |
| As good rainfall has occurred over North Bihar districts in the last few days and in view of rainfall forecast, farmers are advised to drain out excess water from standing crops and nurseries of vegetables. Farmers are suggested for lifting the creepers above the ground on a stand made of bamboo. Farmers are also advised to take precaution in agricultural operations. |
| Paddy | Tillering | * Regular monitoring is advised for infestation of stem borer in paddy crop. If infestation is observed, application of cartap hydrochloride 4G(*Caldan) @*10kg/acre is advised to protect the crop.
* Monitoring of *khaira* disease is advised in paddy crop. The disease is caused by zinc deficiency. If symptoms occur, spraying of zinc sulphate@5.0 kg mixed with lime@2.5 kg in 500 liters of water is advised for one hectare cropped area.
* Intercultural operation is advised in late sown paddy crop.
 |
| September Pigeon pea*(Arhar)* | Sowing | * In upland areas, sowing of *Pusa-9* and *Sarad* varieties of September pigeon pea is advised. Application of 20kg/ha Nitrogen, 45kg/ha Phosphorus, 20 kg/ha Potash and 20 kg sulphur/ha is advised during land preparation. Seed should be treated with Thiram/Capton @2.5gm/kg of seed.
* Regular monitoring is advised in July sown pigeon pea crop against insect pest and disease infestation. Intercultural operation is also suggested.
 |
| Green gram /Black gram | Vegetative | Monitoring is advised for Yellow Vein Mosaic Virus (YMV) disease in green gram and black gram. If infestation occurs in the crop field, affected plants are to be uprooted and destroyed.  |
| Pointed guard | Planting | Planting of *Rajendra parwal-1, Rajendra Parwal-2, FP-1, FP-3, Swarm rekha, Swarn allokik, IIVR-1, 2, 105* varieties of pointed guard is advised in north Bihar. Seed rate @2500 plants/hectare with planting distance of 2x2 meter are advised. Application of 3-5 kilogram Compost, 250 gram Neem or Castor cake, 100 gram Single Super Phosphate(SSP), 25 gram Murate of Potash (MOP) and 10-15 gram Thimate/pit before planting is recommended.  |
| Fruit plants | Planting | Present weather conditions are congenial for planting of fruit trees. Planting of healthy saplings of fruit trees such as mango, litchi, jackfruit, guava, custard and lemon is advised.  |
| Animal care | - | Prophylactic measures against contagious diseases for milch animals are advised as per instruction of veterinarians. Hygiene should be maintained at the place where animals are kept. |

 **(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. 61****Date: Saturday, 25th August, 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 32.5°C and 26.3°C respectively. Average relative humidity was 93 percent at 0700 hrs. and 83 percent at 1400 hrs. Soil temperature at 5 cm depth was 27.3°C at 0700 hrs. and 31.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 4.7 km/hr, 6.2 hours and 4.8 mm respectively. At the center, about 136.6 mm rainfall has been recorded.

**Medium Range Weather Forecast**

**(25th -29th August, 2018)**

 **(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **25th August** | **26th August** | **27th August** | **28th August** | **29th August** | **Remarks** |
| **Rainfall(mm)** | **30** | **20** | **10** | **30** | **30** | **Light to medium** |
| **Max. T (°C)** | **33** | **34** | **34** | **33** | **33** | **Maximum temperature will remain between 33-34°C and the minimum between 25-27°C.** |
| **Mini. T (°C)** | **26** | **27** | **27** | **26** | **26** |
| **Cloud cover (okta)** | **8** | **8** | **7** | **7** | **8** | **Mainly cloudy sky** |
| **Max Relative Humidity (%)** | **95** | **95** | **95** | **95** | **95** |  |
| **Min Relative Humidity (%)** | **70** | **75** | **75** | **80** | **70** |  |
| **Wind speed (kmph)** | **15** | **15** | **10** | **10** | **10** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Westerly** | **Easterly** | **Easterly** | **Easterly/Westerly** |

**Advisory for the farmers**

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

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