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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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Begusarai)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **35** | **35** | **35** | **35** | **36** | **Maximum temperature will remain between 35-36°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **24** | **25** | **24** | **25** | **26** |
| **Cloud cover (okta)** | **1** | **1** | **8** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **80** | **80** | **80** | **80** | **80** |  |
| **Min Relative Humidity (%)** | **30** | **40** | **40** | **40** | **40** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Darbhanga)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **36** | **36** | **35** | **35** | **36** | **Maximum temperature will remain between 35-36°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **25** | **25** | **26** |
| **Cloud cover (okta)** | **1** | **2** | **8** | **5** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

1. **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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(East Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **37** | **38** | **38** | **38** | **38** | **Maximum temperature will remain between 37-38°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **25** | **26** | **26** | **26** |
| **Cloud cover (okta)** | **1** | **2** | **6** | **6** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Gopalganj)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **37** | **38** | **38** | **39** | **39** | **Maximum temperature will remain between 37-39°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **26** | **26** |
| **Cloud cover (okta)** | **0** | **1** | **5** | **4** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Madhubani)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **2** | **5** | **Light Rainfall** |
| **Max. T (°C)** | **34** | **33** | **33** | **34** | **35** | **Maximum temperature will remain between 33-35°C and the minimum between 24- 25°C.** |
| **Mini. T (°C)** | **24** | **25** | **24** | **25** | **25** |
| **Cloud cover (okta)** | **1** | **3** | **8** | **6** | **6** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Muzaffarpur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **35** | **36** | **36** | **37** | **38** | **Maximum temperature will remain between 35-38°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **27** | **26** | **26** | **26** | **27** |
| **Cloud cover (okta)** | **1** | **1** | **7** | **5** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Samastipur)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **36** | **36** | **35** | **36** | **36** | **Maximum temperature will remain between 35-36°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **26** | **26** | **26** |
| **Cloud cover (okta)** | **1** | **2** | **8** | **5** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Saran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **36** | **37** | **37** | **38** | **39** | **Maximum temperature will remain between 36-39°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **24** | **25** | **25** | **26** | **26** |
| **Cloud cover (okta)** | **0** | **1** | **6** | **4** | **6** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Shivhar)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **35** | **36** | **35** | **36** | **36** | **Maximum temperature will remain between 35-36°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **26** | **25** | **26** | **25** |
| **Cloud cover (okta)** | **1** | **1** | **7** | **6** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Sitamarhi)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **35** | **36** | **35** | **36** | **37** | **Maximum temperature will remain between 35-37°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **24** | **25** | **24** | **26** | **25** |
| **Cloud cover (okta)** | **2** | **2** | **7** | **7** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Siwan)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **36** | **37** | **37** | **38** | **39** | **Maximum temperature will remain between 36-39°C and the minimum between 24- 26°C.** |
| **Mini. T (°C)** | **24** | **25** | **25** | **26** | **26** |
| **Cloud cover (okta)** | **0** | **1** | **6** | **4** | **6** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(Vaishali)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry Weather** |
| **Max. T (°C)** | **37** | **37** | **36** | **37** | **36** | **Maximum temperature will remain between 36-37°C and the minimum between 26- 27°C.** |
| **Mini. T (°C)** | **26** | **27** | **26** | **27** | **26** |
| **Cloud cover (okta)** | **1** | **1** | **8** | **5** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**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. 34**  **Date: Friday, 18 May, 2018** | **F:\15349550_1863725520538190_1704492238980604982_n.jpg** | **Phone No : 06274-240266** |

**Weather during the previous forecast period**

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 31.8°C and 23.7°C respectively. Average relative humidity was 79 percent at 0700 hrs. and 65 percent at 1400 hrs. Soil temperature at 5 cm depth was 25.7°C at 0700 hrs. and 32.3°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 7.6 km/hr, 7.2 hours and 4.4 mm respectively. Dry weather prevailed during the period.

**Medium Range Weather Forecast**

**(19 -23 May, 2018)**

**(West Champaran)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Weather parameters** | **19 May** | **20 May** | **21 May** | **22 May** | **23 May** | **Remarks** |
| **Rainfall(mm)** | **0** | **0** | **0** | **0** | **0** | **Dry weather** |
| **Max. T (°C)** | **36** | **37** | **38** | **38** | **39** | **Maximum temperature will remain between 36-39°C and the minimum between 25- 26°C.** |
| **Mini. T (°C)** | **25** | **25** | **26** | **26** | **26** |
| **Cloud cover (okta)** | **1** | **1** | **5** | **5** | **7** | **Partially cloudy sky** |
| **Max Relative Humidity (%)** | **70** | **70** | **70** | **70** | **70** |  |
| **Min Relative Humidity (%)** | **30** | **30** | **30** | **30** | **30** |  |
| **Wind speed (kmph)** | **15** | **15** | **15** | **15** | **15** |  |
| **Wind direction(deg)** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** | **Easterly** |

**Advisory for the farmers**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Phenophases** | **Advisory (Based on weather forecast)** |
| Fodder crops | Sowing | Sowing of fodder crops such as *sorghum, maize* and *bajra* is advised. |
| Green manuring crops | Sowing | Sowing of *dhaincha, mung (green gram), senai* crops are advised for the purpose of green manuring in the field. |
| Rabi maize | Harvesting | In view of almost dry weather during the forecasting period, farmers are advised to harvest *rabi* maize crop on priority basis. |
| Turmeric | Sowing | During the last several days or so, good rainfall has occurred at many places in the North Bihar districts. This has brought adequate moisture in the soil which may be utilized for sowing of turmeric crop from 15th May. *Rajendra Sonia* and *Rajendra Sonali* varieties are recommended for sowing in North Bihar. Application of 25-30 tones of cowdung per hectare is advised before sowing. At the time of final land preparation, 60-75 kg nitrogen, 50-60 kg phosphorus, 100-120 kg potassium and 20-25 kg zinc sulphate per hectare is advised. The size of the planting material (seed) should be around 30-35 gram, which contains 4-5 buds. Seed materials should be sown at 30X20 cm apart maintaining a soil depth of 5-6 cm. Seed treatment with 2.5 gram Endophyl M-45 plus 0.1% Bavestin per Kg of seed is advised. Sowing should be done after half an hour of seed treatment. |
| Paddy | Land preparation | Land preparation is advised for sowing of seeds in nursery. During land preparation, application of cow dung is suggested for good and healthy seedlings. Farmers may start the nursery sowing of long duration paddy from 25th May. |
| Summer vegetables | Fruiting | Intercultural operation is advised in summer vegetables such as lady’s finger, pumpkin, cucumber, sponge gourd etc. Spraying of Dimethoate 30 EC @1ml/L against infestation of leaf feeder/fruit borer in vegetables crop is advised. |
| *Kharif* onion |  | Nursery bed preparation for sowing of kharif onion is aadvised. |

**A. Sattar)**

**(Nodal Officer)**