



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for FIROZABAD District
Chander Shekhar Azad University of Agriculture & Technology
Kanpur, Uttar Pradesh



Agromet Advisory Bulletin

Date : 2025-02-28

Weather Forecast of District FIROZABAD (Uttar Pradesh) Issued On : 2025-02-28 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-03-01 | 2025-03-02 | 2025-03-03 | 2025-03-04 | 2025-03-05 |
|------------------------|---------------------------------------|---------------------------------------|------------|------------|------------|
| Rainfall(mm) | 2.0 | 8.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 29.0 | 29.0 | 30.0 | 31.0 | 31.0 |
| Tmin(°C) | 17.0 | 17.0 | 15.0 | 16.0 | 16.0 |
| RH-I(%) | 87 | 87 | 78 | 67 | 74 |
| RH-II(%) | 42 | 42 | 43 | 39 | 37 |
| Wind Speed(kmph) | 8 | 9 | 7 | 4 | 9 |
| Wind Direction(Degree) | 62 | 28 | 334 | 294 | 282 |
| Cloud Cover(Octa) | 6 | 2 | 0 | 1 | 1 |
| Warning | Thunderstorms & Lightning, Squall etc | Thunderstorms & Lightning, Squall etc | No Warning | No Warning | No Warning |

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate cloud covered in the next five days there is a possibility of light to moderate rain with local level strong winds, thunderstorms & Lightning, hailstorm between dated on 01 to 02 March, 2025. The maximum temperature is between 29.0- 31.0°C, which is likely to be 2-3°C higher normal and the minimum temperature is between 15.0-17.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 67-87 and 37- 42%. Wind direction is north-east, north-west and wind speed is between 1.0-6.0 kmph with gusts expected to be 2.0-3.0 kmph high speed than normal.

Weather Warnings (Valid Till 08:30 IST of the next day)

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate cloud covered in the next five days there is a possibility of light to moderate rain with local level strong winds, thunderstorms & Lightning, hailstorm between dated on 01 to 02 March, 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the possibility of rain, farmers are advised to harvest ripe crops like mustard and potato and keep them in a safe place and postpone irrigation of standing wheat crops and sowing of zaid maize, urd and summer vegetables, and also make proper arrangements for drainage of excess rainwater.

General Advisory:

It is advisable to monitor the crops regularly to prevent infection of thrips pest and purple spot disease in onion. For insecticides, pesticides and weedicide chemicals, separate or use only to wash equipment

with clean water and do not spray or spray insecticides, pesticides and weedicide standing in the opposite direction of the wind. Spraying should be done in the evening, if possible, after spraying, washing hands thoroughly with soap or hand washing before eating and after washing.

SMS Advisory:

In view of the possibility of rain, farmers are advised to postpone irrigation of wheat and vegetable crops and sowing of Zaid maize, Black gram and summer vegetables.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------|--|
| WHEAT | Make proper arrangements for drainage of excess rain water and postpone irrigation work. Farmers are advised to do fourth irrigation in wheat crop after 80-85 days (before earing). Use fodder made of zinc phosphide or aluminum phosphide cake when rats are found in the wheat crop. Make collective efforts for the prevention of rats. |
| MUSTARD | Make proper arrangements for drainage of excess rain water and postpone irrigation and pesticide work. Harvest the crop when the mustard pods become 75% golden in color. After harvesting the mustard crop, dry the crop and separate the seeds after threshing. |
| FIELD PEA | Make proper arrangements for drainage of excess rain water and postpone pesticide work. There is a possibility of outbreaks of Pod borer insects in the pea crop, so for its prevent this, spraying Qunalphos 25 EC@ 2 liters per hectare or Emamectin benzoate 5 % sg 180 - 200 gram per hectare in 500 to 600 liters of water Solution. |
| CHICK PEA | Make proper arrangements for drainage of excess rain water and postpone pesticide work. There is a possibility of outbreaks of pod borer insects in the gram crop, so for it's prevent this, spraying Qunalphos 25 EC@ 2 liters per hectare or Emamectin benzoate 5 % sg 180 - 200 gram per hectare in 500 to 600 liters of water. |
| MAIZE | Make proper arrangements for drainage of excessive rain and postpone sowing work. Recommended to the composite varieties of Zaid Maize - Tarun, Naveen, Mahi, Kanchan, Gaurav, Sweta, Azad Uttam and Hybrid Varieties - Prakash, Dikalb- 7074, Dikalb- 9108, Dikalb- 9208, Dikalb- 9141, Dikalb- 9165, Dikalb- 9217, PHB-8144, Deccan 115 and MMH-133 etc. Sow by arranging fertilizers and seeds for sowing any one species. Sow 20-25 kg seed/hectare for composite variety of maize and 18-20 kg seed/hectare for Hybrid variety. |
| BLACK GRAM | Make proper arrangements for drainage of excessive rain and postpone sowing work. Do to Zaid black gram is variety - Urd-Ta-9, Narendra Urd-1, Azad Urd-1, Azad Urd-2, Shekhar-2, Sujata, PU-40 etc arrange of fertilizer and seed for sowing of any one of the varieties. for sowing of black gram seeds at the rate of 25-30 kg of seed / hectare . |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|---|
| POTATO | Make proper arrangements for drainage of excessive rain water. Cut the lock of the crop 15-20 days before digging the potato crop, which makes the skin of the tuber firmer and reduces the possibility of potato rot. |
| OKRA/ LADYFINGER | Make proper arrangements for drainage of excessive rain and postpone sowing work. Outbreak of purple spot disease in onion crop affects the condition at 28 - 30 ° C temperature and 80 - 90% relative humidity, so copper oxychloride 0.3% (3 g/liter water) or Mancozeb at the rate of 0.25% (0.25 g/liter of water) and spray 3-4 at a 15-20 day interval. Sown vegetables such as ladyfinger, zucchini, cucumber, bitter gourd, gourd and pumpkin etc. sown during summer season. |
| MANGO | In view of the possibility of rain, farmers are advised to postpone the spraying of pesticides and insecticides on mango plants. There is a possibility of an outbreak of midge insect in mango blossom, so spraying phenytrrothian solution in 1.0 ml / liter water to prevent it. In mango orchards, there is a |

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|--|
| | possibility of moth and mango hopper pest infestation, so spraying Chlorpyrifos 20 EC 2.0 ml or Phenitrothian 50 EC 3.0 ml / liter water is sprayed to prevent it. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| BUFFALO | After the animals are fed, make 750 grams mustard oil, 100 grams turmeric, 50 grams dry ginger, 50 grams cumin, 500 grams jaggery mixture and OT for morning and evening for three days. In view of the current weather, farmers are advised to swing the animals in the morning and evening to protect them from the cold, their animals in the open during the night and Draw and put curtains of jut sack on windows and doors at night and remove put curtains in the sun during the day. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given fresh and fresh water 3-4 times a day. Keep the animals in a clean place. |

Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory |
|---------|--|
| HEN | Farmers are advised to the hen supplements the food, mix vitamins and energy food material in their feed as well as calcium content to hens. |

Likely impacts of weather warnings (General)

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Impact based advisories (General)

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Farmers are advised to download Unified Mausam and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>