



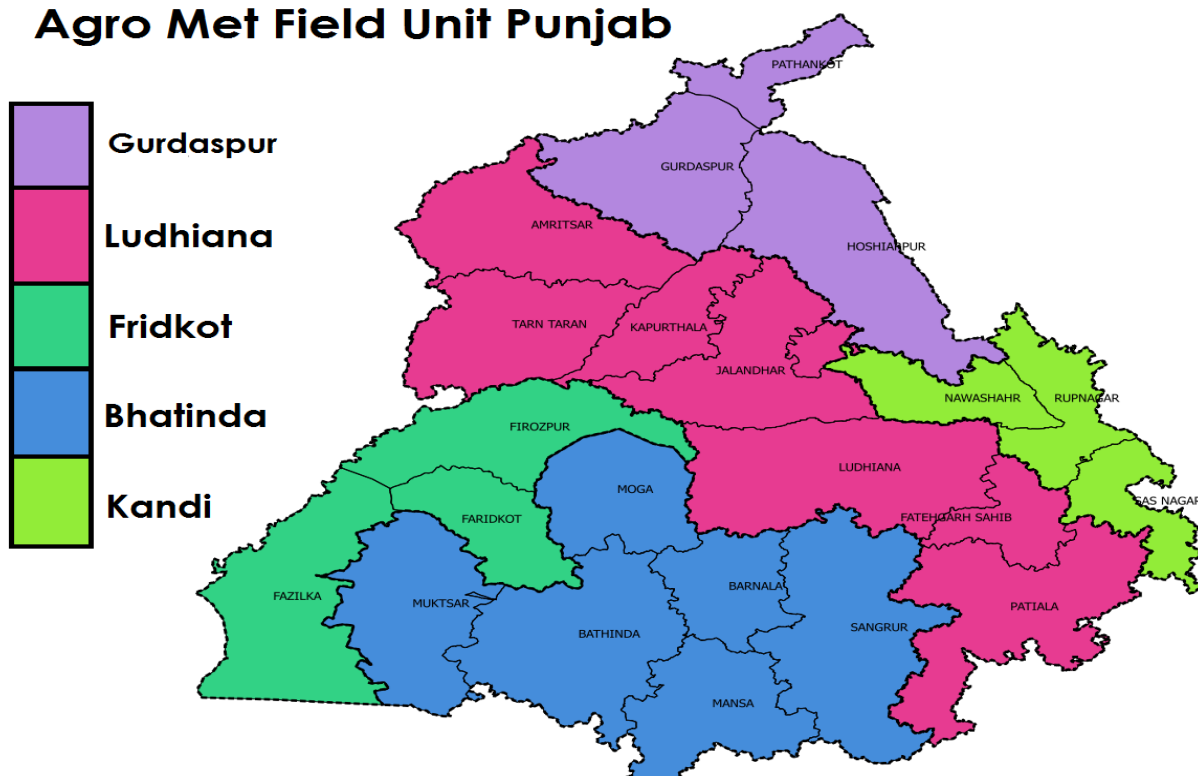
**Agromet Advisory Bulletin for the State of Punjab**

**Bulletin No. 16/2024**

**Issued on 23.02.2024**

**Part A: Realized and forecast weather**

**Agro Met Field Unit Punjab**



**Summary of past weather over the State during (20.01.2024 to 22.02.2024):-**

Light rainfall occurred at isolated places on 20<sup>th</sup>. Weather remained dry during the remaining period in the state.

Mean Maximum Temperatures varied between 23-25 °C which were 00-01°C above normal in the state.

Mean Minimum Temperatures varied between 13-15°C on 20<sup>th</sup>, which were 05-06°C above normal and 07-09°C on 21<sup>st</sup> & 22<sup>nd</sup>, which were 00-01°C below normal in the state.

**Chief amounts of rainfall (in cms):-**



**02/20/2024:: NIL**

**02/21/2024:** NIL

**02/22/2024:** NIL

| DATE       | Lowest Minimum Temperature |
|------------|----------------------------|
| 20.02.2024 | 9.0°C at Gurdaspur (AMFU)  |
| 21.02.2024 | 6.8°C at Amritsar          |
| 22.02.2024 | 4.6°C at Adampur (IAF)     |

Current synoptic condition and weather forecast (Based on 0300 UTC observations) valid up to 0830 Hrs of 27.02.2024:-

| Minimum Temperature Forecast |   |
|------------------------------|---|
| PUNJAB                       | ➤ No large change in minimum temperatures during next 2 days and rise by 2-3°C thereafter in the state. |

| RAINFALL FORECAST FOR PUNJAB STATE FOR NEXT 04 DAYS |            |            |            |            |
|---|------------|------------|------------|------------|
|   | 23.02.2024 | 24.02.2024 | 25.02.2024 | 26.02.2024 |
| PUNJAB  | DRY        | DRY        | DRY        | ISOLATED   |
| WEATHER WARNINGS FOR PUNJAB STATE FOR NEXT 04 DAYS  |            |            |            |            |
|   | 23.02.2024 | 24.02.2024 | 25.02.2024 | 26.02.2024 |
| PUNJAB  | NIL        | NIL        | NIL        | NIL        |

Detailed Districtwise Warnings :

➤ [https://mausam.imd.gov.in/chandigarh/mcdata/district\\_warn\\_punjab.pdf](https://mausam.imd.gov.in/chandigarh/mcdata/district_warn_punjab.pdf)





Note: Forecast for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

| WARNING                | PROBABILISTIC FORECAST |                           | SPATIAL  |             | RAINFALL INTENSITY |                |
|------------------------|------------------------|---------------------------|----------|-------------|--------------------|----------------|
| WARNING (TAKE ACTION)  | Terms                  | Probability of Occurrence | DRY      | No Rainfall | Light              | 2.5-15.5 mm    |
| ALERT (BE PREPARED)    | Unlikely               | No Rainfall               | ISOLATED | 1-25%       | Moderate           | 15.6-64.4 mm   |
| WATCH (BE UPDATED)     | Likely                 | 1-25%                     | FEW      | 26-50%      | Heavy              | 64.5-115.5 mm  |
| NO WARNING (NO ACTION) | Very Likely            | 26-50%                    | MANY     | 51-75%      | Very Heavy         | 115.6-204.4 mm |
|                        | Most Likely            | 51-75%                    | MOST     | 76-100%     | Extremely Heavy    | ≥204.5 mm      |

**Part- B**  
**CROP INFORMATION AND AGROMET ADVISORIES**

**Stages of the major Kharif /Rabi crop**

(Crop stages and state as collected from AMFUs and State Department of Agriculture, Punjab)

| Name of crop  | Stage                |
|---|----------------------|
| <br><b>Wheat</b>   | Anthesis             |
| <br><b>Vegetable</b> (cauliflower, spinach, coriander, radish, fenugreek, turnip, carrot, pea tomato capsicum) | Sowing/Transplanting |
| <br><b>Sugarcane</b>  | Sowing               |
| <br><b>Mustard</b>   | Grain Filling        |

|  |   |
|--|---|
| <b><u>General Agromet Advisory</u></b> | <ul style="list-style-type: none"> <li>➤ Farmers are advised to do need based irrigation, fertilizer application and spray of chemicals during the period in view of possible dry weather.</li> <li>➤ Regularly survey the wheat crop for the occurrence of yellow rust.</li> </ul> |
|--|---|

**Crop Advisories and Plant Protection**

**WHEAT:-**

- Wheat plants affected with flag smut should be rouged out and burnt.
- Observe the wheat fields for appearance of yellow rust. As soon as the disease appears, spray the crop with Caviat @ 200g or Nativio @ 120g or Tilt @ 200 ml in 200 litres of water per acre.
- Observe the wheat fields for appearance of aphids. If the population reached the economic threshold level (ETL) i.e. 5 aphids/earhead, give two sprays of 2 litre PAU homemade neem extract at weekly

interval or single spray of 20g Actara/Taiyo 25 WG in 80-100 liter of water per acre.

#### **MUSTARD:-**

- Observe 12-16 widely scattered plants from an acre and if aphid population is above ETH level, spray 40 g Actara 25 WG or 400 ml of Rogor 30 EC or 600 ml Dursban/Coroban 20EC in 80-125 liters of water per acre.
- Rogor can also be used to control leaf miner.

#### **VEGETABLES:-**

- Remove the plastic sheets from the prepared vegetables under the tunnels.
- Transplant the nurseries of chilli, brinjal and polythene/plug tray planted cucurbits in the field conditions by following recommended package of practices.
- It is also right time for direct sowing of okra and cowpea and cucurbits like muskmelon, cucumber, bitter gourd bottle gourd, pumpkin, sponge gourd, squashes etc

#### **SUGARCANE:-**

- Start sowing recommended varieties of sugarcane i.e. CoPB-95, CoPB-96, Co15023, CoPB-92, Co118, CoJ-85, CoJ-64 (early maturing), CoPB-94, CoPB-93, CoPB-98, CoPB-91, Co-238, CoJ-88 for mid season and late maturing

#### **FRUITS:-**

- Start removing thatches or coverings made to protect the evergreen fruit plants in winter slowly/partially. Light irrigation can be applied in this period.
- Powdery mildew in ber can be managed with spray of wettable sulphur @ 2.5 g per litre of water and black spot disease in ber can be managed with spray of Bordeaux mixture (2:2:250) during this month.
- Apply irrigation to ber orchards at this time as the trees are laden with fruits.
- Apply light irrigation to citrus, peach and plum orchards and apply recommended doses of inorganic fertilizers.

#### **ANIMAL HUSBANDARY:-**

- In order to feed animals, they should be divided into different categories according to their production level like high milk yielder; medium and low milk yielders etc. This will enable their optimal feeding and also save feed expenditure.
- Animals need good quality sheds so that they can be protected from extreme heat, cold, winds, rain, storms etc.
- Sheds should be clean, comfortable, fully ventilated and should have a source of light. Trees should be planted around the animal sheds.
- In winter animals lose more body heat as temperature outside is quite low. So take care to use bedding under the animals which can be made of rice straw, wheat straw or any other easily available dry waste.
- They need to be protected from cold winds and rains. The left over feed and fodder from the mangers should be cleaned daily.

#### **POULTRY:-**

- February month is the best time for starting the broiler rearing as the day temperature starts rising.
- Provide curtains needed for winter for poultry sheds to protect from low temperature in the shed.
- Vaccinate the birds against Ranikhet disease and Fowl pox if not already done. If paddy straw is available, the same can be put on the roof to protect the birds from cold during winter.
- Keep poultry sheds clean, dry and warm.
- Do not store the feed beyond 15 days period.

**State Agro Meteorological Centre  
Meteorological Centre, Chandigarh**