Gramin Krishi Mausam Sewa

Agromet Advisory Bulletin for PURBA-BARDHAMAN District

Bidhan Chandra Krishi Viswavidyalaya

Mohanpur, Dist- Nadia, West Bengal

Agromet Advisory Bulletin

Date : 2025-04-29

Weather Forecast of District PURBA-BARDHAMAN (West Bengal) Issued On : 2025-04-29 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-30	2025-05-01	2025-05-02	2025-05-03	2025-05-04
Rainfall(mm)	8.0	5.0	8.0	3.0	3.0
Tmax(°C)	34.0	34.0	33.0	33.0	32.0
Tmin(°C)	20.0	20.0	20.0	19.0	19.0
RH-I(%)	82	84	82	82	80
RH-II(%)	45	50	49	51	48
Wind Speed(kmph)	7	8	7	5	4
Wind Direction(Degree)	84	98	115	115	125
Cloud Cover(Octa)	4	4	5	3	4
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning

Forecast Summary:

Light rainfall to no rainfall is predicted in the next few days.• Sky will be partly cloudy to clear in the next few days . • Relative humidity will be in the range of 45-84%. •Maximum temperature is expected to be around 32.0-34.0 degree and minimum temperature is likely to be 19.0-20.0 degree.

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

Light rainfall to no rainfall is predicted in the next few days.Restrict harvesting, spraying, ferilizer application accordingly.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Light rainfall to no rainfall is predicted in the next few days.Restrict harvesting, spraying, ferilizer application accordingly.

General Advisory:

Light rainfall to no rainfall is predicted in the next few days.Restrict harvesting, spraying, ferilizer application accordingly.

SMS Advisory:

Light rainfall to no rainfall is predicted in the next few days. Restrict harvesting, spraying, ferilizer application accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	Tillering or Panile Initiation Stage : Be careful about weed control, insect pest control, fertilizer and micronutrient management etc.If Zn deficiency is found apply Zn @ 3.5g/lt of water. Control weed at regular interval.
JUTE (Vegetative)	Sowing to early vegetative stage : Start collecting quality seed for Jute cultivation. Land should be prepared to fine tilth. Mixture of Azotobacter+ P.S.B. @2 Kg/acre mixed with 10 q/acre organic manure should be applied to the soil. Seeds may be sown by broadcasting or line sowing. For capsularis & olitorius jute, line sowing requires 2.4 kg and 1.6 kg seed/acre respectively. If anybody sows seed with seed drill the seed rate is 2 kg and 1.5 kg for capsularis and olitorius respectively. Required spacing for capsularis 25 cm X 5 cm & for olitorius 20 cm X 5 cm. Those who have sown the crop between last week of March to first week of April (crop age,3 weeks); apply one light irrigation followed by mechanical weeding. After weeding and thinning, apply top dressing of Nitrogen fertilizer @20kg/ha in medium and high fertile soil (20 DAS). In case of low fertile soil apply Nitrogen @ 27kg/ha. For post emergence grass weed control, go for chemical spraying.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
MANGO (Fruit formation)	Fruit formation stage :To prevent fruit drop and increase fruit size in Mango , spray NAA 2 times at 7-10 days interval. Spray 0.2% Boric acid once foliar application.

Fishieries Specific Advisory:

Fishieries	Fishieries Specific Advisory
COMMON FISH	For controlling algae in fish bearing pond : *Avoid Overfeeding Fish: If you have fish, avoid overfeeding them as excess food can contribute to nutrient buildup. * Increase Oxygen Levels, Aeration: Installing a pond aerator or fountain can help oxygenate the water, which may reduce algae growth by promoting the health of beneficial bacteria that break down excess nutrients. * Water Circulation: A pond pump that helps circulate water can also prevent stagnant areas where algae thrive. *Physical Removal: Skimming and Raking: Regularly skim the algae off the surface of the pond with a net or rake. This removes the visible algae and prevents it from breaking down and releasing nutrients back into the water. * Algae Brushes: Use a pond brush to scrub algae off rocks, walls, and other surfaces. Use Natural or Chemical Algae Control: * Barley Straw: Barley straw is a natural method for controlling algae. When it decomposes, it releases compounds that can help reduce algae growth. It's best used as a preventative measure. * UV Sterilizers: A UV filter can help kill algae by exposing the water to ultraviolet light, making it an effective tool for clearing green water. * Algaecides: Chemical algaecides can be used, but they should be a last resort because they can harm beneficial pond life, including fish and plants. Always follow the

Fishieries	Fishieries Specific Advisory
	manufacturer's instructions. Maintain Proper Pond Balance: o Regular Water Changes: Changing a portion of the water every few weeks can help remove accumulated nutrients and organic matter. * Monitor pH and Hardness: Check the water's pH and hardness levels to ensure they are within the right range for a healthy pond ecosystem. Introduce certain fish. *Certain fish like Grass Carp consume algae .e .

Likely impacts of weather warnings (General)

Light rainfall to no rainfall is predicted in the next few days.Restrict harvesting, spraying, ferilizer application accordingly.

Impact based advisories (General)

Light rainfall to no rainfall is predicted in the next few days.Restrict harvesting, spraying, ferilizer application accordingly.

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