




drishti

Karan Vandana - A New Hybrid Wheat Variety

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A new hybrid wheat variety **Karan Vandana** is soon to be launched across the country.

- It is also known as **DBW-187**.
- It is **rich in protein and iron**.
- It has **high heat tolerance** across the country.
- It is resistant to **yellow rust** and **wheat blast** which causes widespread losses.
- It will **reduce unit costs for farmers** as well as **return higher yield than normal varieties**.
- It can be cultivated **only in areas under full irrigation support**.
- It has been developed by the **Indian Institute of Wheat and Barley Research (IIWBR)** under the Indian Council of Agricultural Research (ICAR).



Yellow Rust

- Yellow rust is a **fungal** disease that manifests as powdery **yellow stripes on leaves**.
- These yellow stripes **hinder photosynthesis** and **stunt the growth** of the plant.
- Higher temperature combined with rains during wheat growing season aid the growth and spread of the disease.
- All the wheat-growing states like Punjab, Haryana, Himachal Pradesh, the Tarai region of Uttarakhand, Uttar Pradesh and the low lying areas of Jammu and Kashmir are susceptible to the disease.

Wheat Blast



- Wheat Blast is a **fungal** disease.
- It prevents **maturation of the actual grain which** affects reproduction by causing the host to produce fewer seeds.
- It can **infect** huge areas of cultivation resulting in **more than 75% yield loss**.

Source: BL