

Direct Seeded Rice

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Direct Seeded Rice Latest News

In a bid to mitigate the rainfall uncertainty due to the potential impact of **El Nino**, the Chhattisgarh government recently advised farmers to cultivate oilseeds and use Direct Seeded Rice (DSR) method in paddy for the upcoming kharif season.

About Direct Seeded Rice

- It is a **modern farming technique** where **rice seeds** are **sown directly into the field**, replacing the traditional **method of transplanting seedlings from a nursery**.

Preferred Soil Types for Direct Seeded Rice

- DSR can be operationalized on soils ranging from **medium texture (loam) to heavy texture (clay)**.
- However, it is **recommended not** to go for DSR **if the soil is light textured and poorly drained**.

Direct Seeded Rice Advantages

- This method **skips** the **labor-intensive step of transplanting**, saving farmers time and effort.
- DSR uses less water (up to 50%) because it **doesn't require continuous flooding of the fields**.
- By **conserving water and reducing labor**, DSR makes rice farming more efficient and sustainable.
- DSR also **reduces greenhouse gas emissions**, which helps combat climate change.
- It also offers a **congenial soil environment for better growth and productivity of succeeding crops**.
- It **increases total income** by reducing the cost of cultivation.
- **Mechanized DSR** also **creates avenues for employment** through new service provisions and is less labor-intensive and **free from drudgery**, hence more **attractive to youth and women** farmers.

Challenges in Direct Seeded Rice

- **Higher seed rates**
- **Seeds exposed** to birds and pests
- **Weed management**
- **Higher risk of lodging**
- Risk of poor or **non-uniform crop establishment**

News: **TH**

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