



PATENT GRANTED FOR ROTARY DISC DRILL – AN INNOVATIVE TECHNOLOGY FOR IN-SITU CROP RESIDUE MANAGEMENT

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ICAR-Indian Institute of Wheat and Barley Research, Karnal developed an innovative machine-Rotary Disc Drill for in-situ crop residue management.



Indian Patent Office granted a Patent for Rotary Disc Drill technology. It is an innovative conservation agriculture technology that can be used for direct seeding of different crops like wheat, rice, soybean, pea, barley, green gram, and pigeonpea in the presence of anchored and loose crop residue (rice straw, sugarcane trash, maize, and leguminous crop residue) with minimum soil disturbance and lesser power requirement.

The technology will be highly beneficial for in-situ residue management in rice-wheat and sugarcane-wheat areas of Punjab, Haryana, Uttar Pradesh, etc., and will help in mitigating the problem of residue burning. The technology is ready for commercialization through licensing process.

(Source: ICAR- Indian Institute of Wheat and Barley Research, Karnal)

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