Innovative BBF Mechanization Strategies for Soybean: Expert Lecture Delivered under Diksharambh at PAE, AAU Dahod

The Polytechnic in Agricultural Engineering, Anand Agricultural University, Dahod, conducted a technical Diksharambh lecture on 15 November 2025, focusing on innovative and scientific interventions in modern agriculture. Dr. Vaibhav Raosaheb Suryavanshi, Scientist (Agricultural Engineering), Krishi Vigyan Kendra, MPKV, Mamurabad, Jalgaon, delivered a comprehensive session on Broad Bed and Furrow (BBF) Mechanized Technology for soybean cultivation.

The seminar covered field-oriented engineering solutions including precision land configuration, optimized drainage management, enhanced moisture retention, mechanized sowing techniques, and soil conservation benefits associated with BBF technology. The resource person explained how BBF systems significantly improve soybean productivity by reducing runoff, minimizing sediment loss, increasing root aeration, and supporting crop resilience under erratic rainfall conditions.

A total of 95 students and 15 staff members, including the Farm Manager, Agriculture Assistants, and technical farm personnel, participated actively in the session. Demonstrations and practical insights on field implement suitability, machinery calibration, and adoption feasibility were also discussed.

The programme was conceptualized and coordinated under the leadership of Dr. F. G. Sayyad, Principal, Polytechnic in Agricultural Engineering, AAU, Dahod. Dr. Sayyad encouraged students to adopt engineering-based agricultural solutions and highlighted the role of mechanized BBF systems in sustainable crop production, climate-smart farming, and improved resource efficiency.


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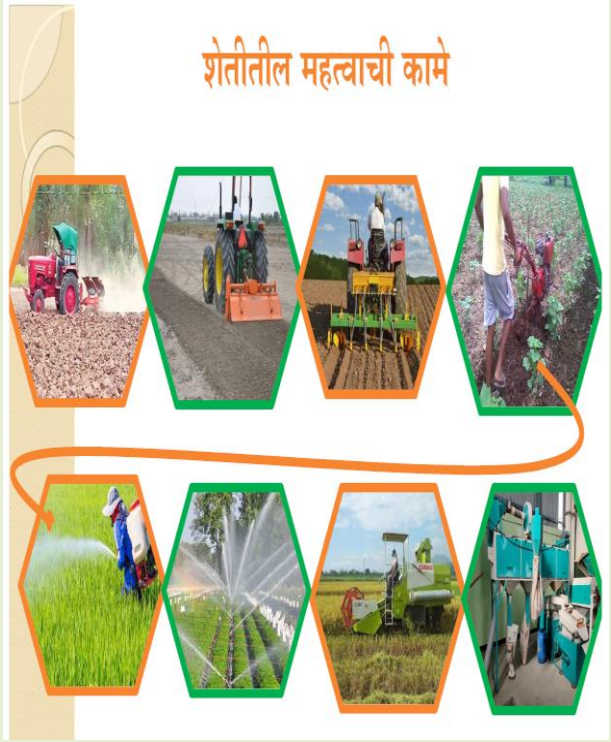
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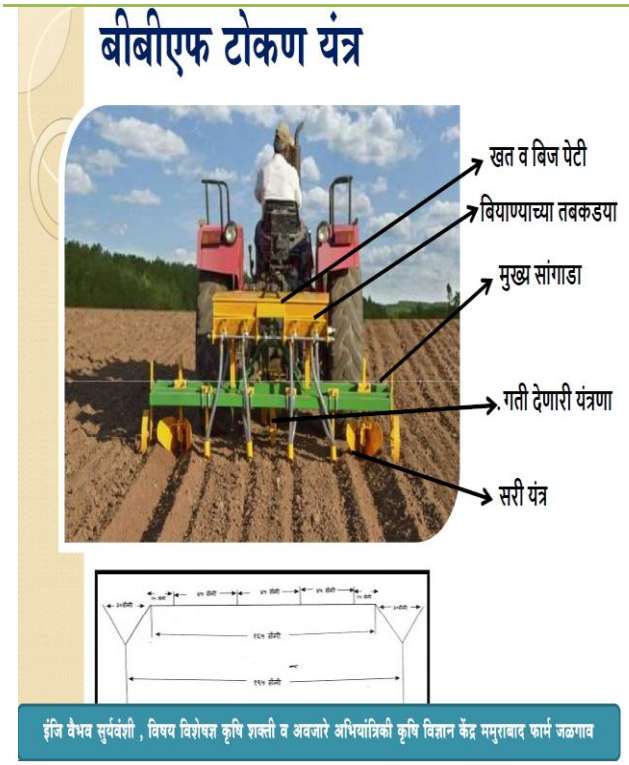
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