AI: Cultivating Global Agricultural Resilience and Innovation

Strategic partnerships and advanced technology are transforming farming worldwide.

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THE DATA

5.9 Lakh Farmers

Benefiting from AI Advisories

India's BharatVistaar AI platform has served over half a million farmers with real-time agricultural advisories.

This multilingual Artificial Intelligence-powered Digital Public Infrastructure provides location-specific guidance, helping farmers make informed decisions. The platform has successfully addressed more than 9.3 million farmer queries, demonstrating AI's significant role in supporting agricultural decision-making and access to government support services.



Source: Ministry of Agriculture & Farmers Welfare (PIB) · Published August 11, 2026

01

University Partnerships Accelerate AgTech AI Breakthroughs

Collaborations between global institutions, like the University of California, Berkeley and Uzbekistan, are exploring AI, digitalization, and innovation in agriculture. These partnerships foster the development of AI-based decision-making tools and strengthen technological skills, driving the next generation of smart farming solutions. Purdue DIAL Ventures also exemplifies this by selecting entrepreneurs with diverse tech backgrounds to build AI-focused agrifood companies.



02

AI Empowers Farmers with Precision and Predictive Intelligence

AI technologies are being integrated into agricultural operations worldwide, offering solutions from precision irrigation and pest detection to predictive analytics. Farmers are increasingly utilizing AI-powered advisory platforms that integrate weather forecasts, soil data, and crop information, enabling more efficient resource use and improved climate resilience. This shift from reactive to predictive management is critical for sustainable food production.

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