

My Farm Guide

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Abstract: *The farming industry encounters a plethora of obstacles, such as climate change, pest infestations, soil degradation, and fluctuating market conditions. To tackle these issues and enhance farming productivity and sustainability, "My Farm Guide" is designed as a comprehensive digital platform. This innovative tool Strives to enhance the abilities of farmers by providing real-time information and personalized guidance on weather forecasts, soil health, pest management, and market trends. By leveraging advanced technologies like satellite imagery, IoT sensors, and machine learning algorithms, "My Farm Guide" delivers precise and actionable insights tailored to individual farm conditions. The platform is designed to be user- friendly, accessible via both smartphones and web applications, ensuring farmers of varying technological proficiency can benefit from its features. In addition to its core functionalities, "My Farm Guide" promotes promoting sustainable agriculture involves providing guidance on methods like crop rotation, organic farming, and implementing eco-friendly techniques such as water conservation. Implementation of "My Farm Guide" involves a phased approach, including development, pilot testing, and large-scale rollout, with continuous updates drawing from user input and technological advancements.*

Keywords: Farming industry, Climate change, Pest management, Soil health Market trends, Digital platform.