



Farm-Buddy: Revolutionizing Crop Planning with NASA Data

Empowering farmers with geospatial insights for climate-resilient farming.

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Addressing Climate Uncertainty for Farmers

1 Unpredictable Weather

Farmers face unpredictable weather, making crop planning difficult.

2 Climate-Resilient Farming

Farm-Buddy uses real-time geospatial data to provide informed recommendations for resilient crop choices.



Inspiration Behind Farm-Buddy

Inspired by Climate Change

With climate change threatening agriculture, we were inspired to create a tool to help farmers plan more effectively.

Leveraging NASA Data

We use data from NASA's SMAP and MODIS satellites to empower farmers with data-driven insights.



How Farm-Buddy Works

Real-Time Insights

Farm-Buddy provides real-time meteorological data and crop suitability recommendations based on NASA data.

Customized Suggestions

Users can input their location and farm size to receive personalized guidance for climate-resilient crop choices.

Calamity Preparedness

The app sends real-time alerts for natural calamities and provides guidance to help farmers prepare for climate adversities.

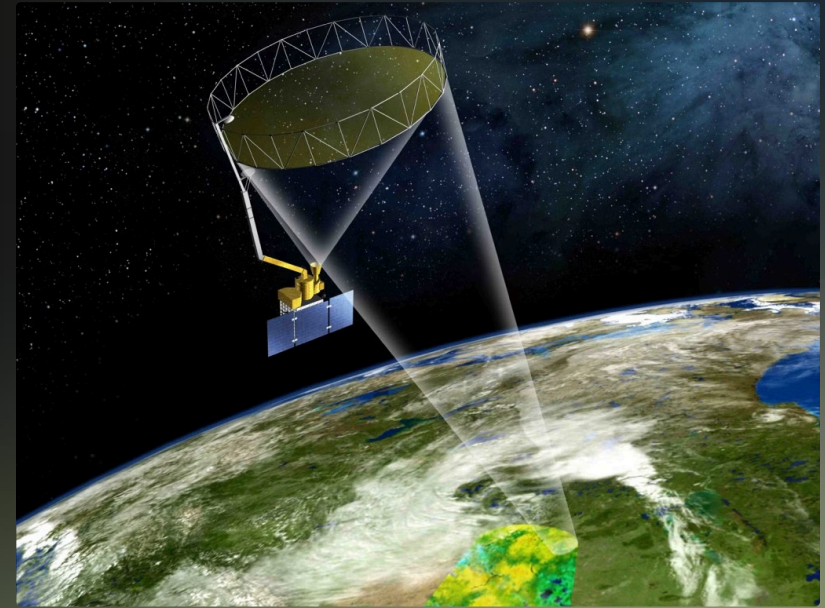
Leveraging Space Data for Agriculture

1 NASA Data Sources

Farm-Buddy utilizes free and open data from NASA's SMAP, MODIS, and GLAM APIs.

2 Geospatial Insights

This data empowers farmers to make data-driven decisions regarding crops and natural calamity preparedness.





Empowering Farmers with Insights

1

Input Location

Farmers enter their location and farm size to get personalized recommendations.

2

Receive Insights

The app provides real-time weather data, crop suitability, and calamity alerts.

3

Actionable Guidance

Farmers can use the insights to make informed decisions for climate-resilient farming.



The Future of Farm-Buddy



Government Integrations

Potential partnerships with government resources for wider reach and impact.



Scaling to Millions

Supporting farmers in drought-prone regions to improve food security worldwide.



Sustainable Farming

Contribute to the transition towards climate-resilient and environmentally-friendly agriculture.