AGROCLIMATE VIEWER & PLANNER APP

FROM THE DIGITAL AG TECHNOLOGIES LAB

Overview

The Agroclimate Viewer & Planner App is an interactive web-based tool designed to help users monitor, forecast, and analyze agroclimatic conditions for their croplands. By leveraging Google Earth Engine (GEE), the application provides insights through satellite imagery, weather forecasts, soil data, and climate patterns. Users can draw field boundaries, select specific parameters, and generate visualizations to aid in informed agricultural decision-making.

Key Features

- **Field Selection & Data Management**: Up to 5 fields per session.

- **Vegetation Index (VI) Analysis**: NDVI for crop health tracking.

- **Climatic Data Trends**: Field and soil climate, and water use trends.

- **Weather Forecasting**: 16-day hourly weather for crop planning.

- **Soil Data**: Composition, pH, and other characteristics down to 2 m.

- **Growing Degree Days (GDD)**: For 45+ crops using temperature-based heat accumulation.

Learn More

Explore the app: https://datl-chandel.github.io/Agroclimate/

Find YouTube user tutorials here: https://www.youtube.com/@DATL.Chandel

SCAN ME

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