Patent Search

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Abstract:

A CLOUD-BASED PLATFORM FOR CROP RECOMMENDATION FOR PRECISION FARMING DRIVEN BY ARTIFICIAL INTELLIGENCE A method of generating a crop suggestion computer system receiving a number of data sets from a number of dissimilar data sources, each of which defines a factor impacting a crop. A geolocation-based agr operations platform that integrates agricultural data is offered. The system accepts agricultural data linked to a specific geographic area and converts the data into a is available for analysis. To deliver services related to the platform, the environmental services platform may correlate and analyses the input site survey data with lar collections of pertinent data, soil data, geographic data, plant data, meteorological data, solar radiation data, etc. In some implementations, a user can submit site su information about a chosen irrigation site to a platform for environmental services that is connected to the internet. Based on the sensor data and the model, the ga recognize an alarm connected to a certain farm. An air-based device for producing spectral image data related to at least one of vegetation stress and soil properties segment of the agricultural field is a part of the mapping and analysis system.

Complete Specification

Description:A CLOUD-BASED PLATFORM FOR CROP RECOMMENDATION FOR PRECISION FARMING DRIVEN BY ARTIFICIAL INTELLIGENCE

BACKGROUND

Technical Field

[0001] The embodiments herein generally relate to a cloud-based platform for crop recommendation for precision farming driven by artificial intelligence.

Description of the Related Art

[0002] A method of the production of corn, wheat, soybeans, and countless more products on a modern crop farm can be compared to that of a sophisticated biochemical factory that has been optimized for maximum productivity. The days of doing spring planting and waiting until harvest in the autumn to evaluate the re are long gone. Significant issues arise with organizing the collected data and turning it into information that may ultimately be used to influence agricultural produc a particular terrestrial area when more data is generated about a given agricultural operation. This helps the property owner save money while also conserving the water supplies. Property owners and managers have access to a wealth of data from many sources that they can use to reduce waste. Property managers and owne deal with the essential issue of effective and efficient resource management. The productivity of agricultural lands has a significant impact on the global economy, a impact will grow significantly as global population rises. It has been discovered that using agricultural goods in this manner can boost overall earnings by increasing and lowering the cost of farming inputs.

[0003] The system NDVI is based on variations in the optical reflectance of soil and plants at various wavelengths. Plants reflect more near-infrared (NIR) than visi

View Application Status

Department of Industrial Policy and Promotion
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