AI for Earth

Ag-Analytics®

Ag-Analytics® uses Microsoft cloud tools to aggregate data on farmlands, putting information in the hands of farmers to enable precision conservation and more sustainable agricultural practices.



3. Microsoft Azure

Data inputs are stored and aggregated in the cloud.



2. Sensor inputs

Soil, crop, and land data is collected from satellite imagery and tractor sensors.



4. APIs

Farmers use APIs to access data on soil quality, tillage, yield, and more.

1. Farmland

A plot of farmland that needs to be analyzed.

5. Precision agriculture

Farmers use the data to improve yields and lower costs on their specific plot.



Challenge

With a growing world population and finite farmland, sustainable agriculture is an imperative. But it takes huge amounts of data—and user-friendly APIs—to give farmers the insights they need to maximize yields and minimize the environmental cost of agriculture.

Solution

Ag-Analytics® collects data from tractor sensors, satellites, and remote sensors to give farmers an accurate, actionable picture of their land. Hosted on Azure and utilizing Microsoft technologies, Ag-Analytics® is developing APIs to help farmers access these data layers, putting crucial and precise information in the hands of those who can directly manage the land more sustainably.



Microsoft