

DATA DRIVEN SMART FARMING

Agriventure will employ data at the farm level to forecast the best growth circumstances and resource needs, such as fertigation, spraying, irrigation, and other preventive actions, and to alert farmers to make well-informed decisions. Agriventure will keep an eye on both micro and macroclimatic factors, as well as solar circumstances, soil parameters, crop stage, crop growth traits, etc.

ALERT FOR IRRIGATION

In order to guarantee that the crop's irrigation needs are always perfectly met based on the crop, its stage, and the properties of the soil, the Agriventure system will continuously monitor the availability of water in the soil.

FORECAST FOR THE WEATHER

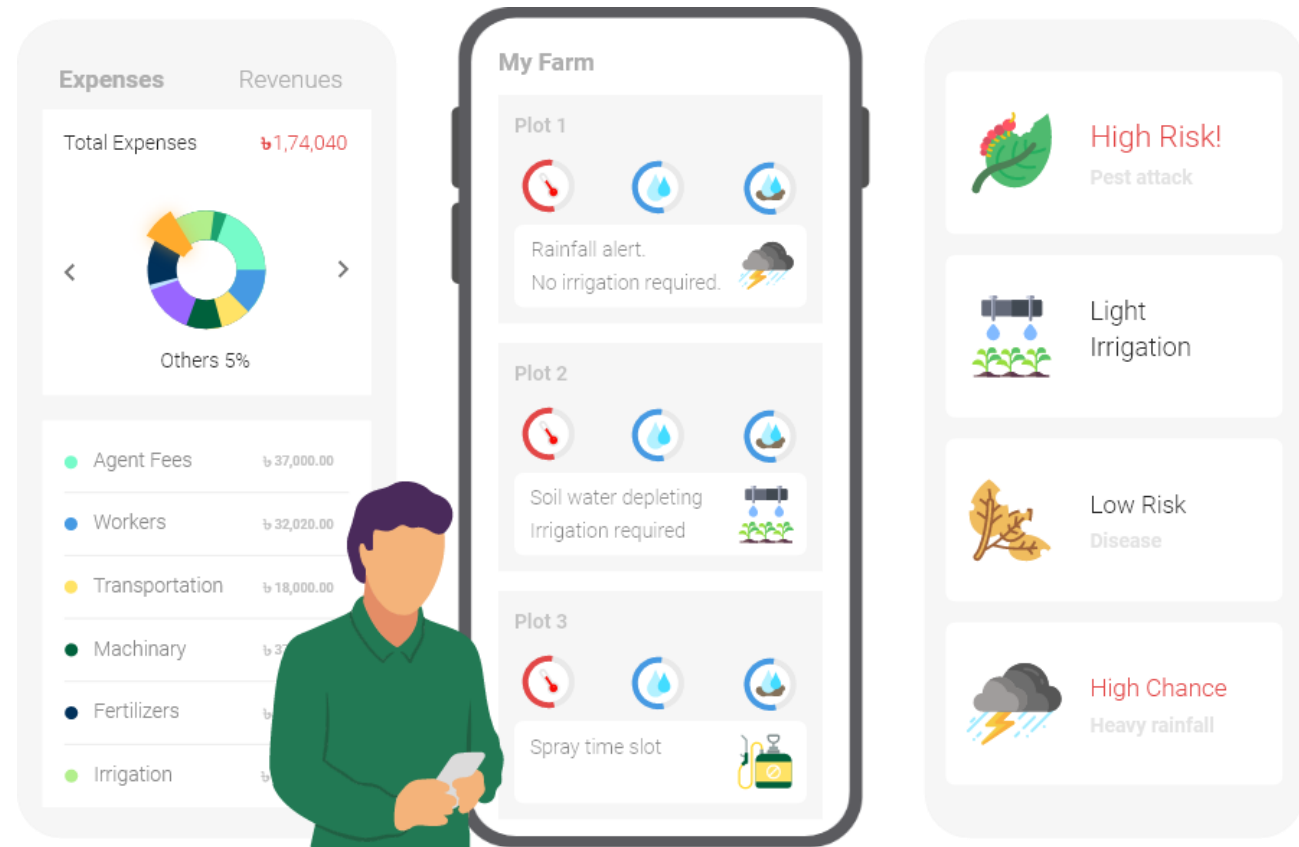
Agriventure will give you a 14-day microclimatic forecast tailored to your farm so you may be well-prepared for potential weather hazards.

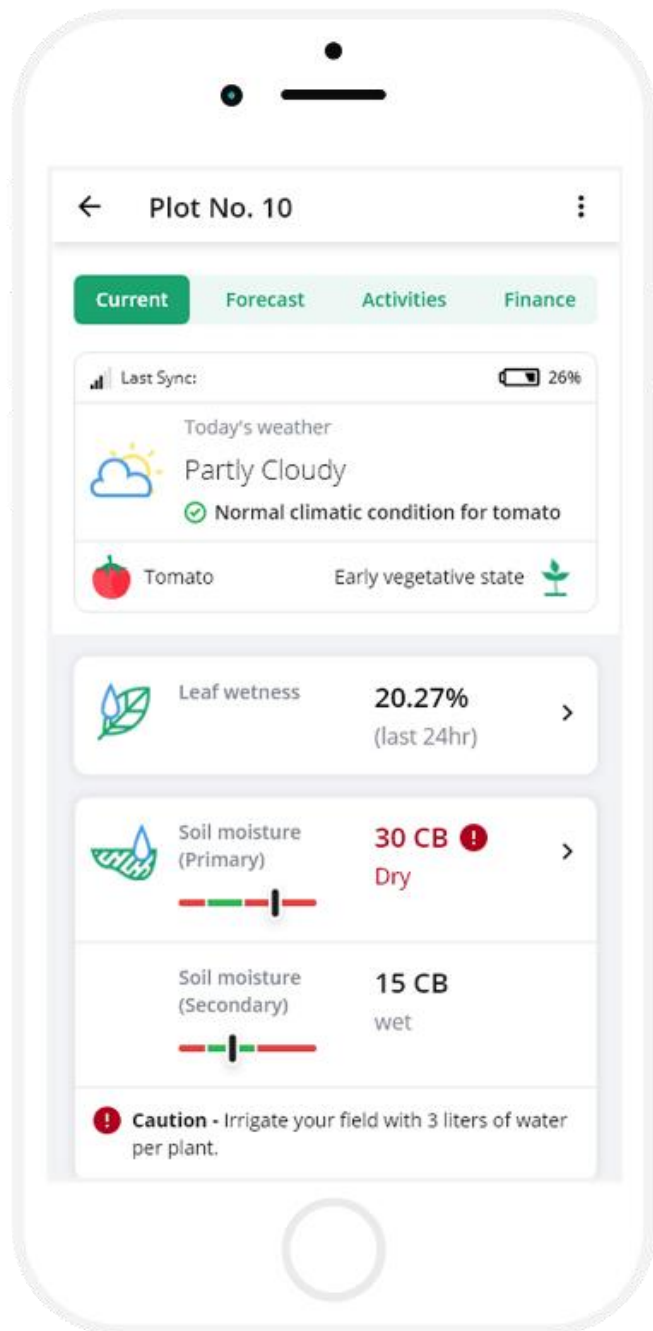
ALERTS ON DISEASES AND PESTS

Agriventure disease prediction and evaluation systems will alert farmers and agricultural institutions to potential crop diseases, their severity, and the potential for pest outbreaks so that farmers may schedule their preventive spraying properly.

KEEP TRACK OF YOUR FINANCES AND ACTIVITIES.

Agriventure will monitor sales, expenses, and cash flow to maintain the stability of your finances while giving you real-time insight into the daily progress of your crops and operations.

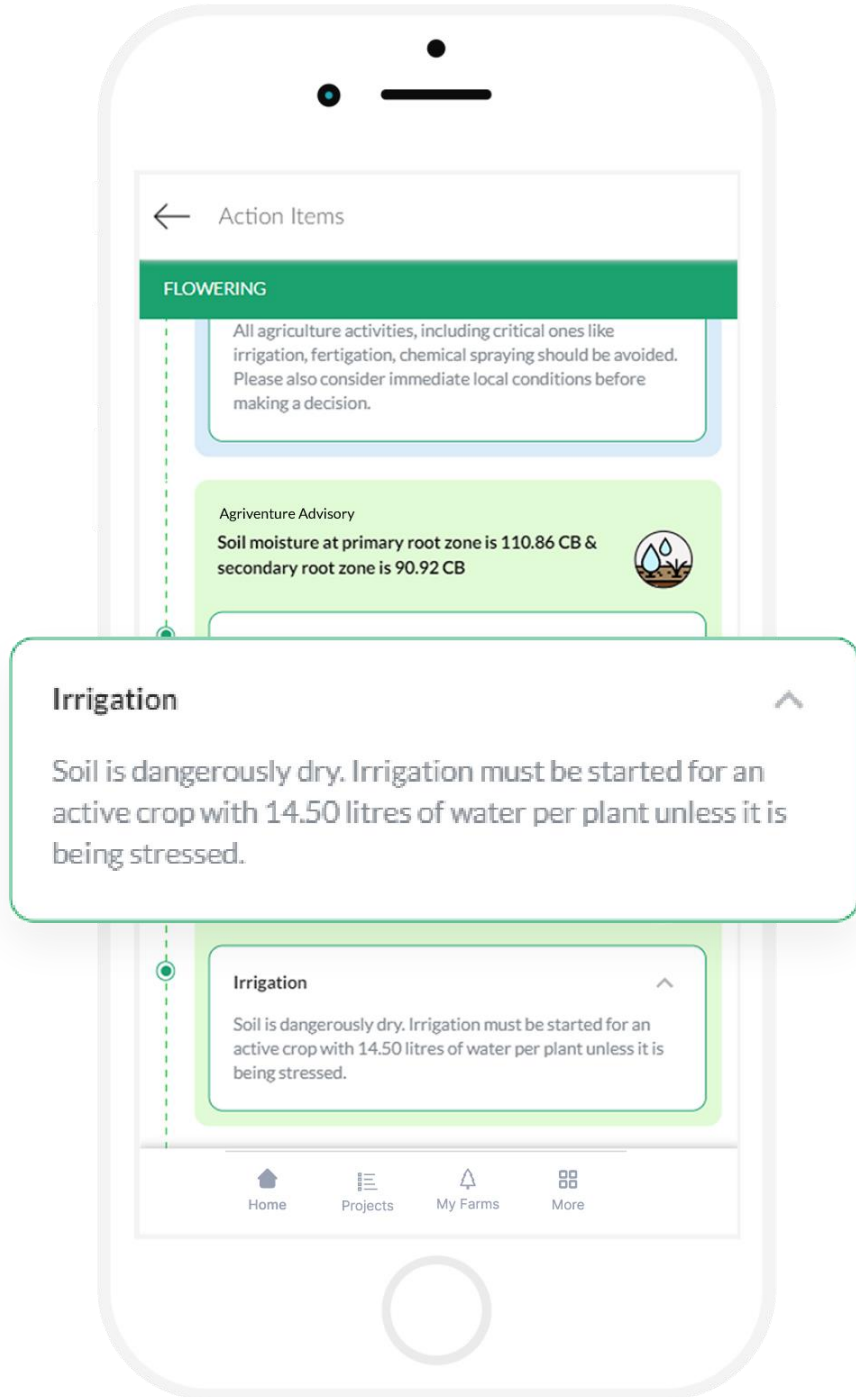




MICROCLIMATIC FORECAST

Agriventure will give you a 14-day microclimatic forecast tailored to your farm so you may be well-prepared for potential weather hazards.

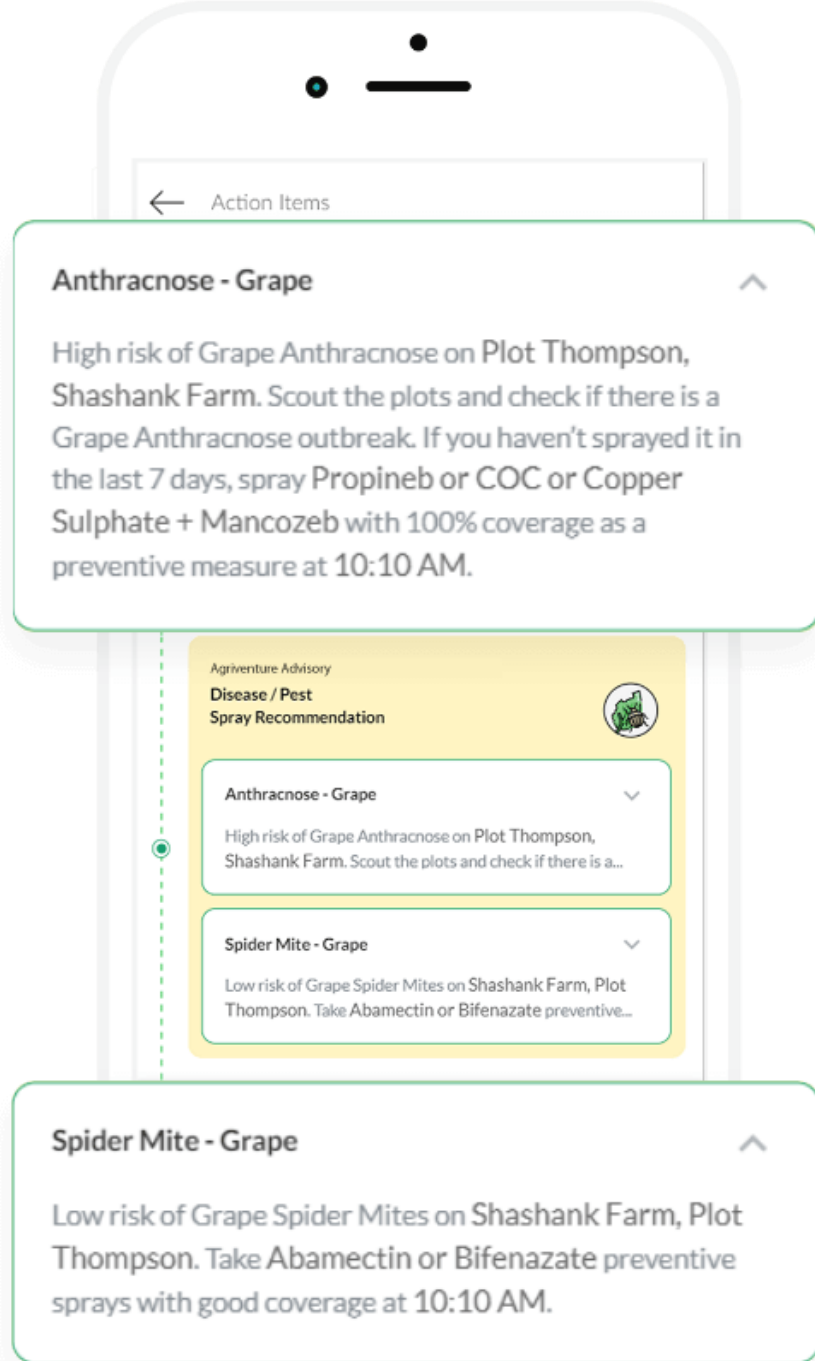
"High chances of rainfall between 7:00 PM and 9:00 PM on Block 1," is how a typical Agriventure alert will appear. Three millimeters of rain are predicted.



PRECISION IRRIGATION

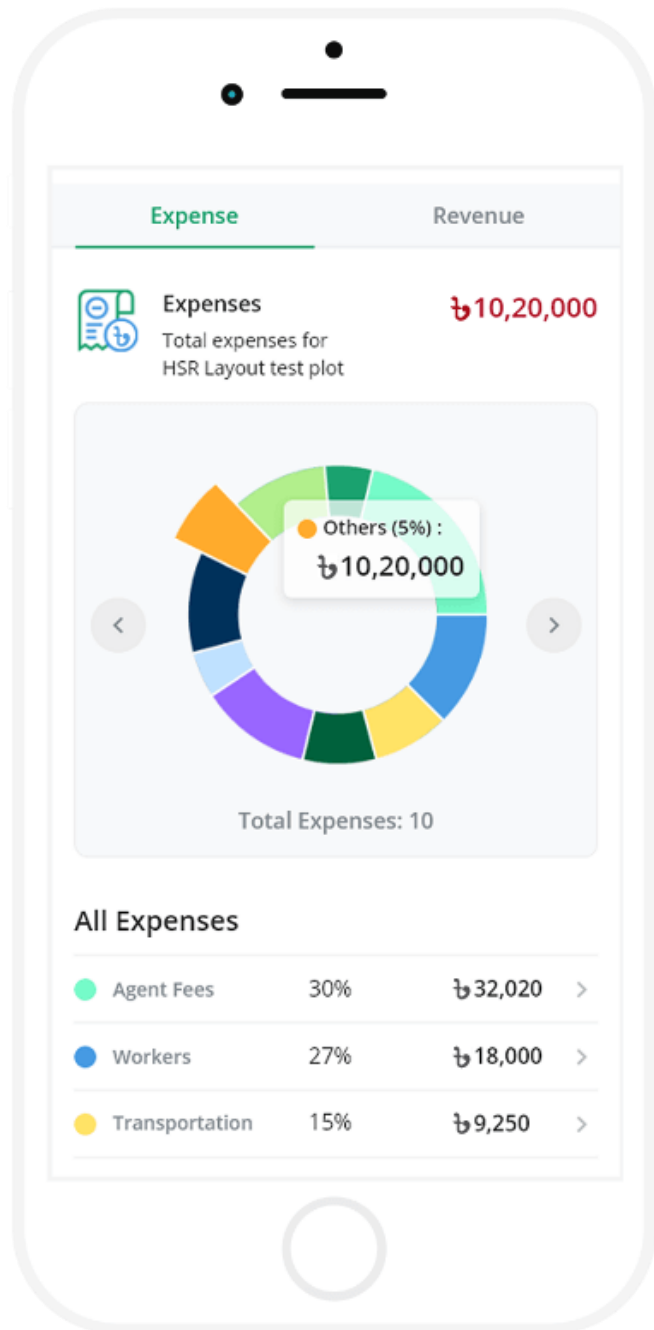
Plot-level, crop-specific, and crop-stage-specific irrigation requirements—down to the liter per plant—will be provided by Agriverture. To accurately recommend when and how much to irrigate, our technology will take into account factors like soil texture, crop, crop-stage, soil water tension, rate of water loss, plant ecology, transpiration, etc. The following is an example of a typical Agriverture irrigation advisory: "You need to irrigate Block 1 with 4.3 litres/plant by 4 pm tomorrow."

The following is an example of a typical Agriverture irrigation advisory: "You need to irrigate Block 1 with 4.3 litres/plant by 4 pm tomorrow."



WARNING: DISEASE AND PEST

Agriventure will tell farmers when and which type of spray to use, as well as preventive advice for managing diseases and pests. By keeping an eye on the favorable micro- and macroclimatic conditions on the farm, Agriventure will monitor the life cycle of different pests and pathogens that are specific to the crop and crop stage and then advises when to apply preventive sprays. An example of a standard Agriventure advisory is "High Risk of Downy Mildew on Block 1." Apply a thick layer of Revus Top, Mancozeb, or Acrobat preventive spray at eight in the morning. An example of a standard Agriventure advisory is "High Risk of Downy Mildew on Block 1." Apply a thick layer of Revus Top, Mancozeb, or Acrobat preventive spray at eight in the morning.



MANAGEMENT OF FARM FINANCE

With Agriventure, you can easily and intuitively plan, monitor, and analyze every aspect of your farm's operations. In order to maintain the stability of your farm's finances, it will track sales, expenses, and cash flows and gives you real-time insight into the daily progress of your crops and operations.

Notes

Imagine you're a farmer. You have a lot of information to consider when making decisions:

Weather: Is it going to rain soon? Will there be a heatwave?

Soil: How much moisture is in the soil? Are there enough nutrients?

Crops: How fast are they growing? Are there any signs of disease or pests?

You can gather this information from various sources like weather forecasts, soil sensors, and visual inspections of your crops. But it can be overwhelming to make sense of all this data and predict what's going to happen next.

That's where AI-powered predictive analytics comes in. Think of it like having a super-smart assistant who can analyze all this data for you. This assistant uses machine learning algorithms, which are like computer programs that can learn and improve over time.

Here's how it works:

Data Collection: The assistant collects all the relevant data from various sources.

Data Analysis: The assistant uses its algorithms to analyze the data, looking for patterns and relationships.

Here's how it works:

Data Collection: The assistant collects all the relevant data from various sources.

Data Analysis: The assistant uses its algorithms to analyze the data, looking for patterns and relationships.

Prediction: Based on the analysis, the assistant makes predictions about the future, such as:

When is the best time to plant?

How much water should you give your crops?

Which fertilizer should you use?

Are any pests or diseases likely to affect your crops?

Recommendation: The assistant gives you recommendations based on the predictions, helping you make informed decisions.

This technology can be a game-changer for farmers. By providing them with accurate predictions and recommendations, it can help them:

Optimize yields: Knowing the best time to plant, water, and fertilize can lead to healthier crops and bigger harvests.

Prevent crop losses: Early warnings about pests, diseases, or extreme weather can help farmers take preventive measures.

Save money: Farmers can reduce costs and increase profits by optimizing resource use.

Make better decisions: Having access to accurate information and predictions empowers farmers to make informed decisions and manage their farms more effectively.

In essence, AI-powered predictive analytics takes the guesswork out of farming. It's like having a crystal ball that can help farmers see into the future and make the best decisions for their crops and their business.