



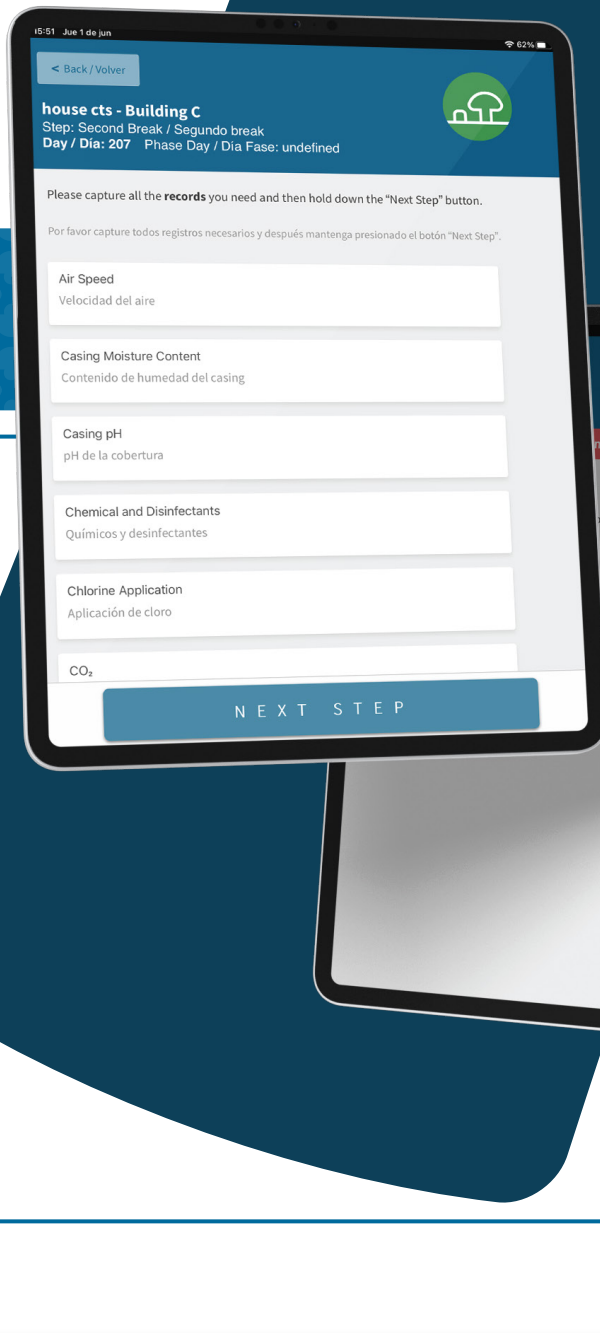
# Mushroom Growing App

## What is the Mushroom Growing App?

The **Mushroom Growing App** is a tool to help record and track all data and information related to growing mushrooms. This application gives users a complete picture of their production process and is designed to assist mushroom growers in managing their farms more efficiently.

The app provides a range of features geared toward streamlining recordkeeping and improving overall productivity.

Two specialized tools allow workers to record data on the go (mobile app that works on both iPhone and iPad) and review all the information anywhere on the computer (web platform).



Welcome Download

The following are the houses that are currently in production process

House	Step	Cycle Number	Users	Records	Observations
House 22	Spawn Run	04ku2l	1		
House 29	Steaming	0q7fz2	5		
House 929	Initial Observations	fwkkm	1		
House 9/50	Case Hold	slbww	2		
house cts	Second Break	Sdflym	2		
House iPad Test	First Break Observations	nldta	2		
House iPhone Test	Phase I	3mp3h	2		

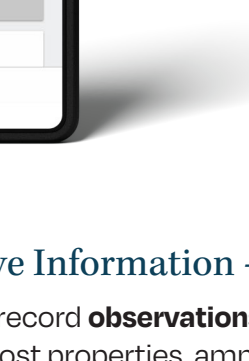
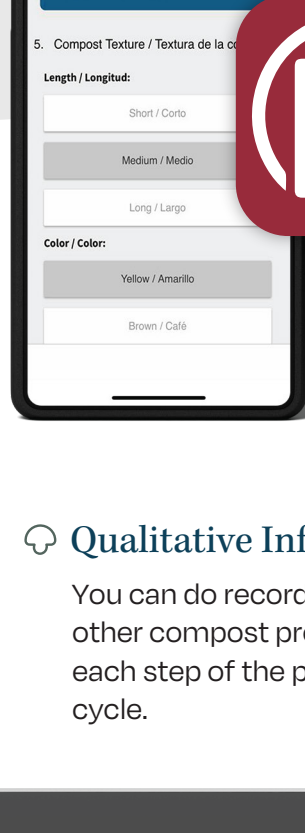
## Record Data That In Real Time

This app allows growers to record growing data that can be viewed in real-time. This means that they can track the growth of their mushroom crops, identify potential issues, and take corrective action quickly. The main information that the growers can record is the following:

Data to be Recorded	Houses Version	Trays Version
Air Speed	✓ Yes	✓ Yes
Air Temperature	✓ Yes	✓ Yes
Calcium Application	✓ Yes	✓ Yes
Casing Moisture Content	✓ Yes	✓ Yes
Casing pH	✓ Yes	✓ Yes
Chemicals and Desinfectants	✓ Yes	✓ Yes
Chlorine Application	✓ Yes	✓ Yes
CO2	✓ Yes	✓ Yes
Compost Moisture Content	✓ Yes	✓ Yes
Disease / Pest Incidence	✓ Yes	✓ Yes
Empty Steaming	✓ Yes	✓ Yes
Fly Count (Counting)	✓ Yes	✓ Yes
Fresh Air	✓ Yes	✓ Yes
Fungicides	✓ Yes	✓ Yes
Harvest	✓ Yes	✓ Yes
Insecticides	✓ Yes	✓ Yes
Pinning / Flushing	✓ Yes	✓ Yes
Post Steaming	✓ Yes	✓ Yes
Relative Humidity	✓ Yes	✓ Yes
Scratching / Ruffling	✓ Yes	✓ Yes
Supplement	✓ Yes	✓ Yes
Watering	✓ Yes	✓ Yes
Probe Temperature	✓ Yes	✓ Yes
Setpoint	✓ Yes	✓ Yes

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## Features and Benefits



### Individual Access and Unique Databases

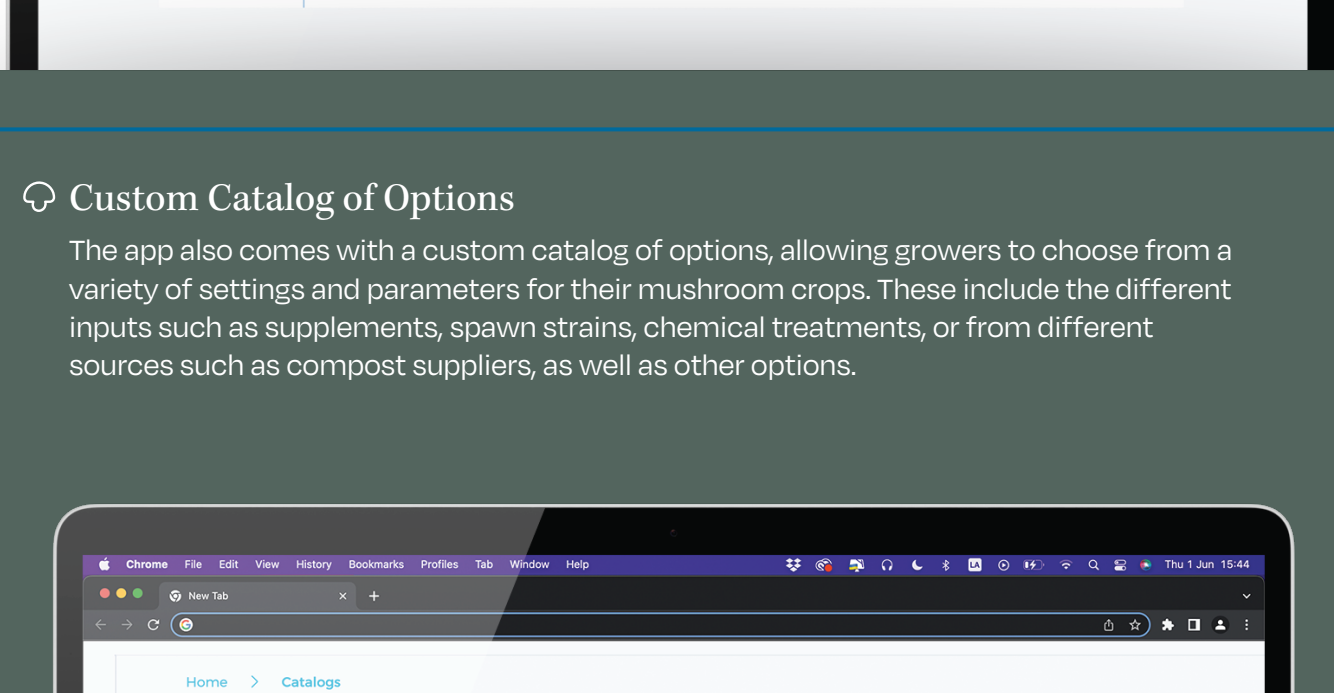
The Mushroom Growing App allows individual access so each user has unique username and password so the growers can know who records information and at what time. Also each company has a unique database. This means that each user can customize their data according to their preferences and can access it anytime from anywhere. With this feature, growers can monitor the growing process and make adjustments to the environment, humidity, and temperature levels to ensure optimal mushroom growth.

### Growing in Houses or Growing with Trays

The app is designed to work with both types of processes; one house process method (Houses) and the one step per house method (Trays).

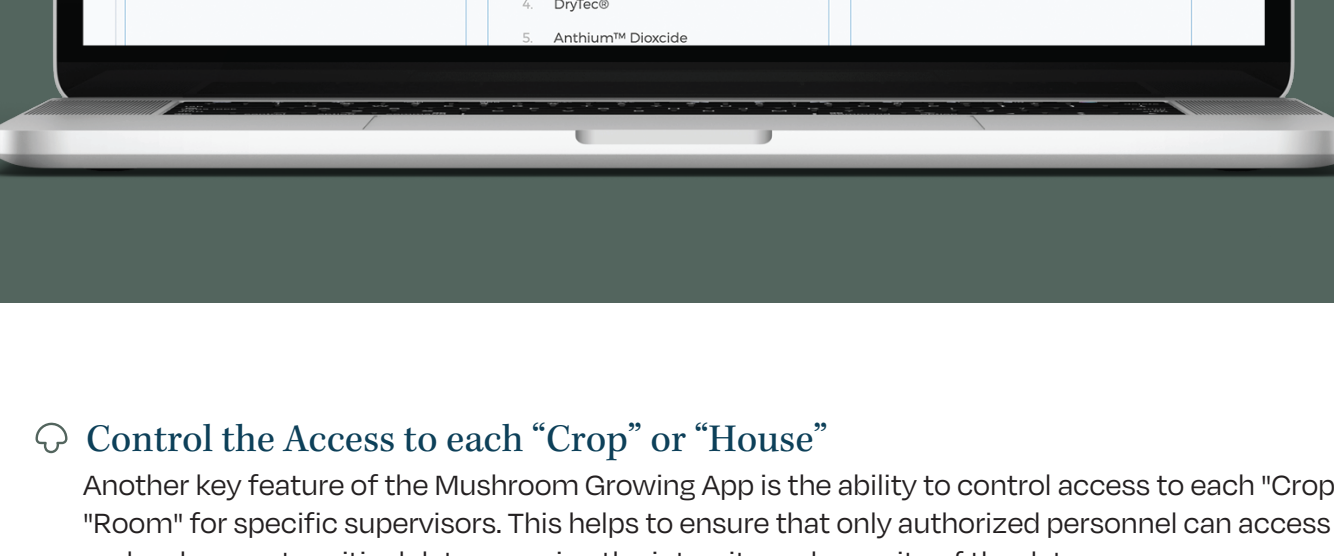
### Qualitative Information – Observational Parameters

You can do record **observations** that cannot be measured such as texture, color, density and other compost properties, ammonia, temperature override, etc. These can be recorded for each step of the process to tell the story about how the elements were on that specific crop / cycle.



### Custom Catalog of Options

The app also comes with a custom catalog of options, allowing growers to choose from a variety of settings and parameters for their mushroom crops. These include the different inputs such as supplements, spawn strains, chemical treatments, or from different sources such as compost suppliers, as well as other options.

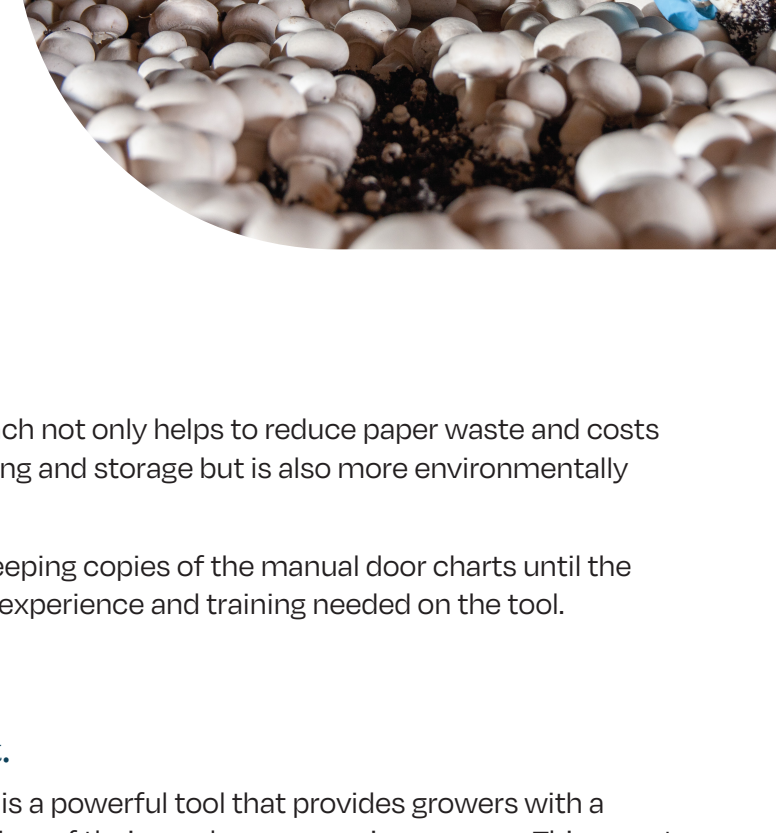


### Control the Access to each “Crop” or “House”

Another key feature of the Mushroom Growing App is the ability to control access to each "Crop" or "Room" for specific supervisors. This helps to ensure that only authorized personnel can access and make changes to critical data, ensuring the integrity and security of the data.

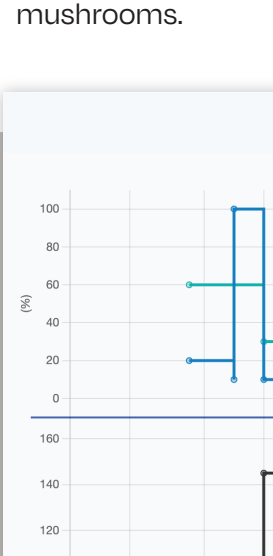
### Reports for All Data/Information

The Mushroom Growing App provides a range of reports that growers can review to get a comprehensive overview of their growing data and information. These reports can be used to identify trends, patterns, and potential issues, allowing growers to make informed decisions about their growing process.



### Paperless.\*\*

One of the greatest advantages of using the Mushroom Growing App is that it helps minimize the need for paper documents. Users can record and access all mushroom growing information online, meaning that there is no need to print or store documents on paper.



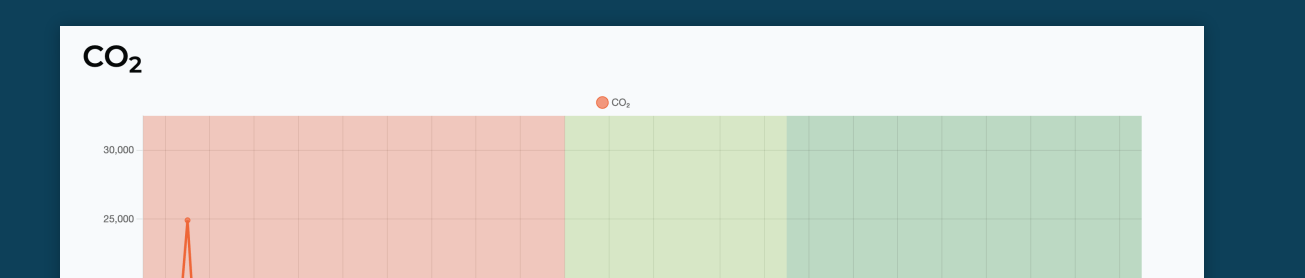
This paperless approach not only helps to reduce paper waste and costs associated with printing and storage but is also more environmentally friendly.

\*\*We recommend keeping copies of the manual door on charts until the supervisor has all the experience and training needed on the tool.

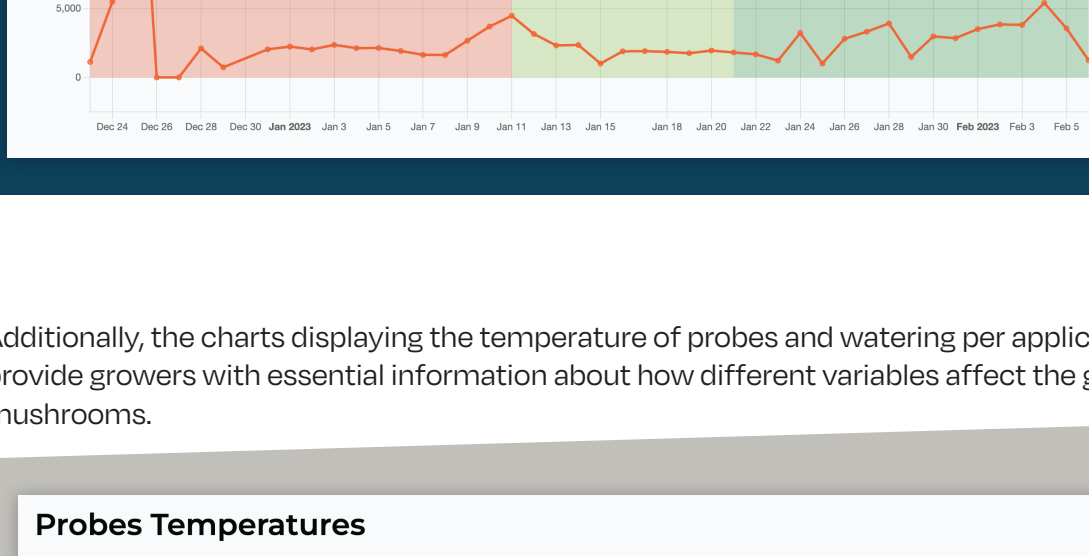
### Advanced Report.

The Advanced Report is a powerful tool that provides growers with a comprehensive overview of their mushroom growing process. This report includes a range of critical data and information, such as the total weight of mushrooms harvested per phase, start and end dates of each phase, observations recorded during each phase, and various charts depicting crucial parameters.

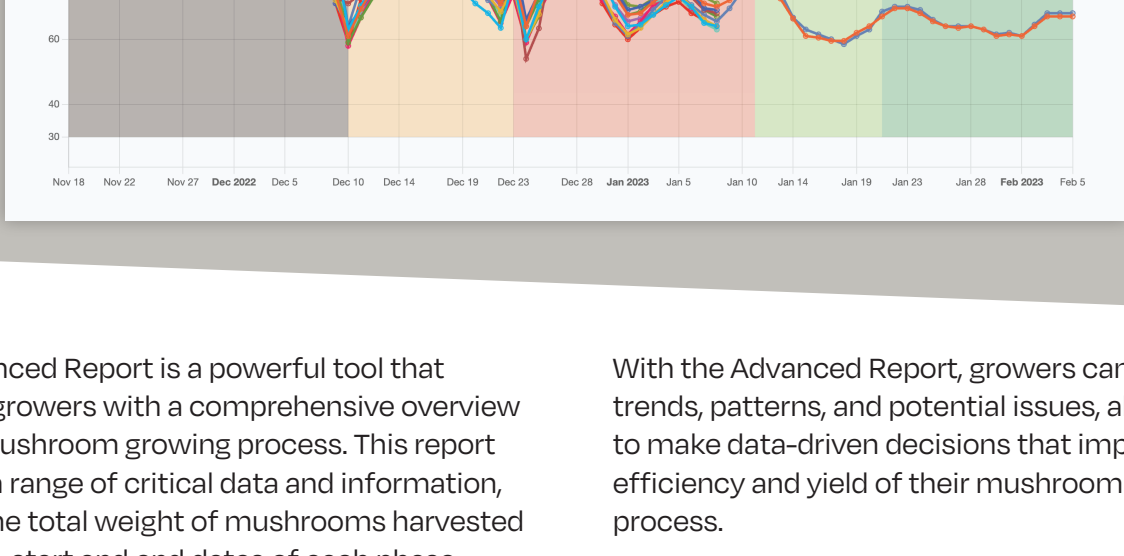
The chart that combines fresh air and air speed and temperature of the air per phase, for example, provides growers with an insight into the environmental conditions that contribute to the growth of mushrooms.



The CO2 chart, on the other hand, displays the levels of CO2 throughout each phase, helping growers to understand how this gas affects mushroom growth.



Additionally, the charts displaying the temperature of probes and watering per applicator by phase provide growers with essential information about how different variables affect the growth of their mushrooms.



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With the Advanced Report, growers can identify trends, patterns, and potential issues, allowing them to make data-driven decisions that improve the efficiency and yield of their mushroom growing process.

Overall, the Mushroom Growing App is an essential tool for any mushroom grower looking to streamline their operations, improve productivity, and achieve better long-term results. With its range of features and benefits, the app makes it easier than ever to manage mushroom crops, track data, and make informed decisions about the growing process.

Mushroom Growing App

