

How to guide **e-Gro Growth Tracker Module**

Part 1

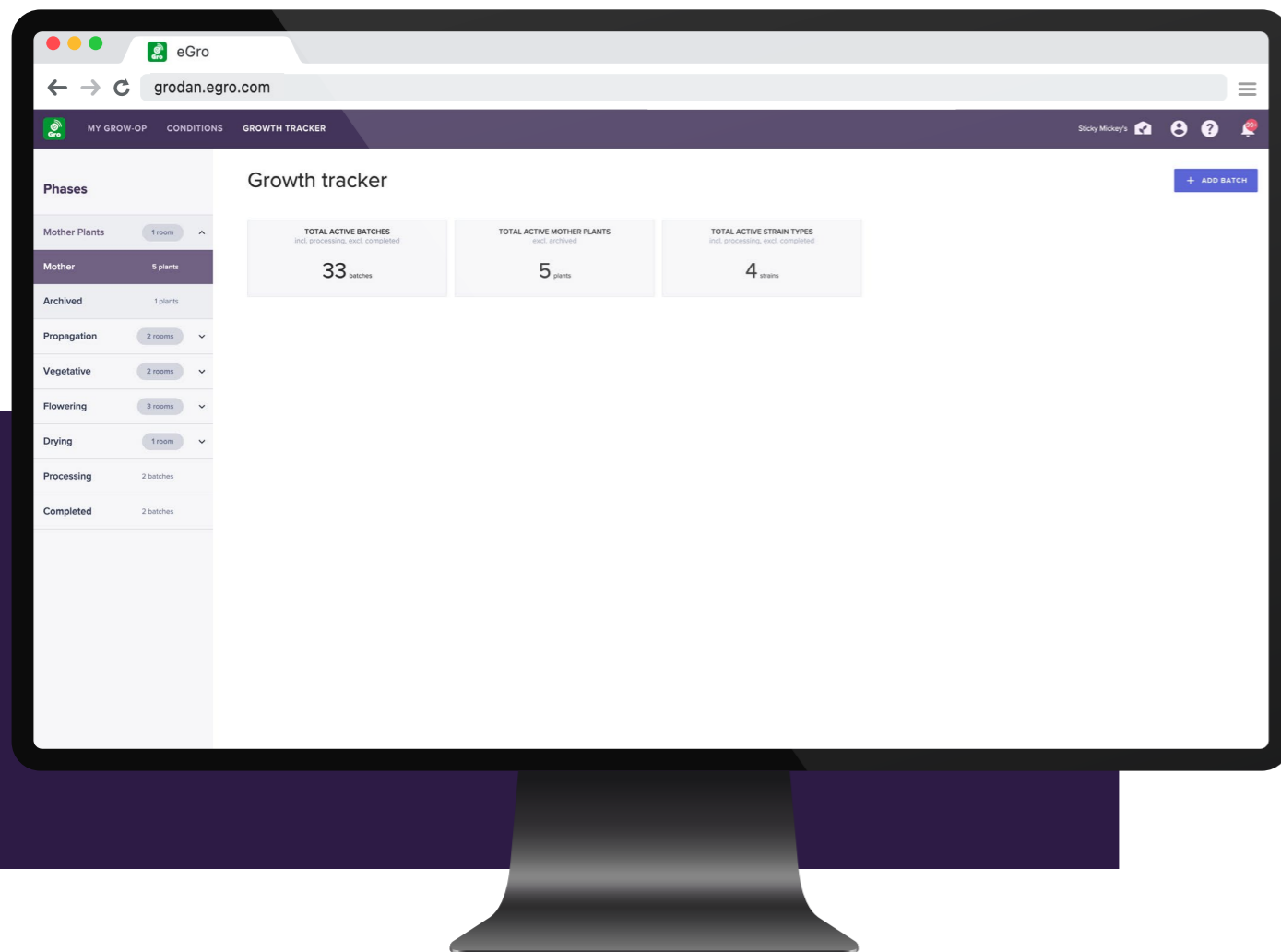
If you have any questions, please contact egro.support@grodan.com



Introduction

What if you could access an overview of all the mother plants and batches in your facility at room level at the touch of a button, and track them throughout the entire growing cycle and post-harvest process? What if you could then zoom in to gain an at-a-glance insight into the status, specifications and performance of each batch? And what if you could compare the performance of different batches to analyze what works – and what doesn't – as the basis for continuous optimization?

The Growth Tracker Module helps you to create a logbook of all your batches so that you can increasingly fine-tune your irrigation and crop steering strategies over time, without having to keep 'reinventing the wheel'. This fast-tracks you to tangible improvements in quality, production levels and consistency. And the good news is, you can start using the Growth Tracker Module at any time in the growing cycle!



The Growth Tracker Module

In your MJ growing facility, the decisions you make today have a major impact on your results tomorrow. Every action you take – from the adjustment of day/night temperature, humidity, light intensity, irrigation volume and frequency, to the timing and the way you defoliate your plants – steers the plant's physical growth response. Based on a combination of automatic sensor readings and manual data input, the Growth Tracker Module helps you to build up a record of precisely what you have done with your mother plants and batches in each room on their journey through your facility, right through to the post-harvest phase.

Moreover, you can start using the Growth Tracker Module at any time in the growing cycle. To ensure you have the complete picture, you can simply add any relevant data from the previous stages retrospectively.

The resulting logbook of information provides a wealth of data about the status, specifications and performance of each batch for analysis and optimization purposes. Therefore, the Growth Tracker Module ensures that you retain and extract the maximum amount of crop-related knowledge every step of the way, turning raw data into actionable insights that have a fast and effective impact on your future success.

Tapping into your wealth of data

This 'How to' guide shows you how to get the best out of all the information and graphs within the Growth Tracker Module. This module helps you to improve the efficiency and financial performance of your facility, including thanks to:

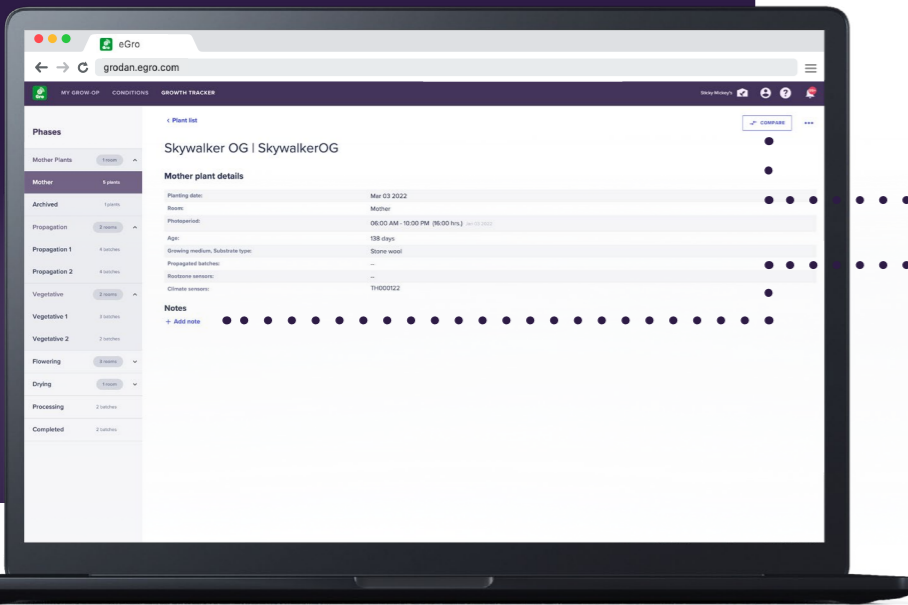
- **Continuous optimization:** Growth Tracker helps you to optimize your strain-specific strategies by gathering all relevant parameters throughout the entire growing cycle. Capturing the key cultivation elements related to mother plants and individual batches gives you full control over the growing cycle of your plants. Comparing the performance of individual batches enables you to steer your crops more effectively. All of this steers you toward a better yield, better quality and more consistency.
- **Better resource planning:** More data supports better labor and resource planning, as you can now clearly see the previous resource needs at each stage of crop development. This translates directly into cost savings as well as a more sustainable approach to growing.
- **Single source of truth:** Growth Tracker allows you to bundle all your data into one place, in a user-friendly environment for an optimal view of all the details. This helps you to better understand the data and provides a fuller picture. The longer you use Growth Tracker and the more data you add to it per batch and per phase, the more comprehensive and valuable this logbook becomes – leading to increasingly in-depth and beneficial insights that you can put into action immediately.
- **Single source of truth:** Growth Tracker provides access to authorized secondary users – external crop consultants, internal crop specialists and other team members – for the reliable and convenient sharing of accurate data as the basis for decisions and business commitments. The information can be supplemented by notes and pictures to put the plant growth in even more context.

Summary of the Growth Tracker functionalities

In a nutshell, the Growth Tracker Module offers the following functionalities:

- Add mother plants
- Add batches – either right from the start (mother plants/propagation) or retrospectively in any phase by entering historical data manually
- Monitor mother plants and batches: This is based on a combination of automatically gathered data (e.g. irrigation and climate data from the e-Gro Conditions Module, strain averages, photoperiod changes) and manual data input (batch details such as name, size, strain, room, sensors)

The screenshot shows a 'New batch or mother plant' dialog box. It contains several input fields: 'Strain name*' with a dropdown menu, 'Phase*' with a dropdown menu set to 'Mother plant', 'Mother plant ID*' with a 'Create mother ID' button, 'Room*' with a dropdown menu, 'Growing medium*' with a dropdown menu, and 'Date placed in phase*' with a date input field. At the bottom, there is a '+ Add batch or mother plant' button, a 'CANCEL' button, and a 'REVIEW' button.



- Move batches to the next phase as they progress through the growth cycle
- Compare batches (up to three simultaneously)
- Add your own notes and images at batch level

For more details of how to work with the Growth Tracker Module in practice, read Part 2 of this 'How to' Guide.

The benefits of the Growth Tracker Module

At the touch of a button, the Growth Tracker Module allows you to track and monitor all the mother plants and batches in your facility at room level, throughout the entire growing cycle and post-harvest process. You can zoom in to gain an at-a-glance insight into the status, specifications and performance of each batch. As the basis for continuous optimization, you can even compare the performance of different batches to analyze what works... and what doesn't. This user-friendly online registration system enables you to fine-tune your irrigation and crop steering strategies as the basis for continuous improvements in quality, yield and consistency. In other words, the Growth Tracker Module turns raw data into actionable insights that you can leverage to accelerate your success. All these insights are readily available for you 24/7, optimized for access via your smartphone, tablet and desktop. Our Grodan green experts are happy to discuss how you can start using the Growth Tracker Module in your greenhouse or how to take your current crop steering strategy to the next level. Visit www.grodan101.com/e-Gro for more information.

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