



IRRIGOPTIMAL[®]

IRRIGOPTIMAL[®]

Mobile App

INTRODUCTION



Welcome to the IRRIGOPTIMAL[®] application powered by WES TRADE LTD!

This app is designed to help you optimize your agricultural field's irrigation system. Using data on weather conditions, soil type and specifics of your crops, IRRIGOPTIMAL[®] calculates the optimal amount of water needed to irrigate efficiently and sustainably. Follow this guide to learn how to use the app to maximize your plants' growth and reduce water waste.

System requirements

IRRIGOPTIMAL[®] is available for Android and iOS devices.

iOS



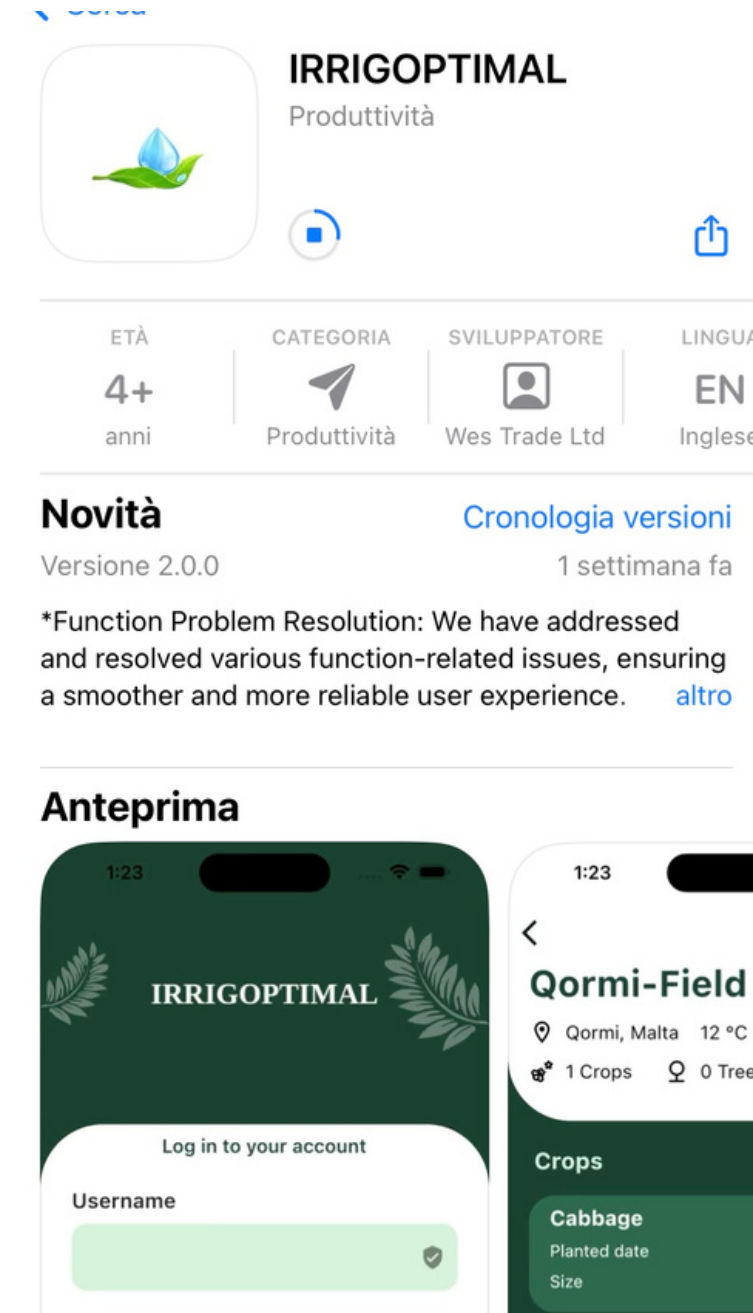
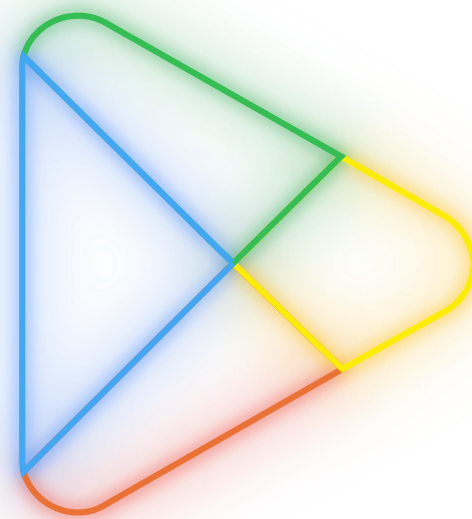
android

Make sure you have an active internet connection to access updated IRRIGOPTIMAL[®] predictions.

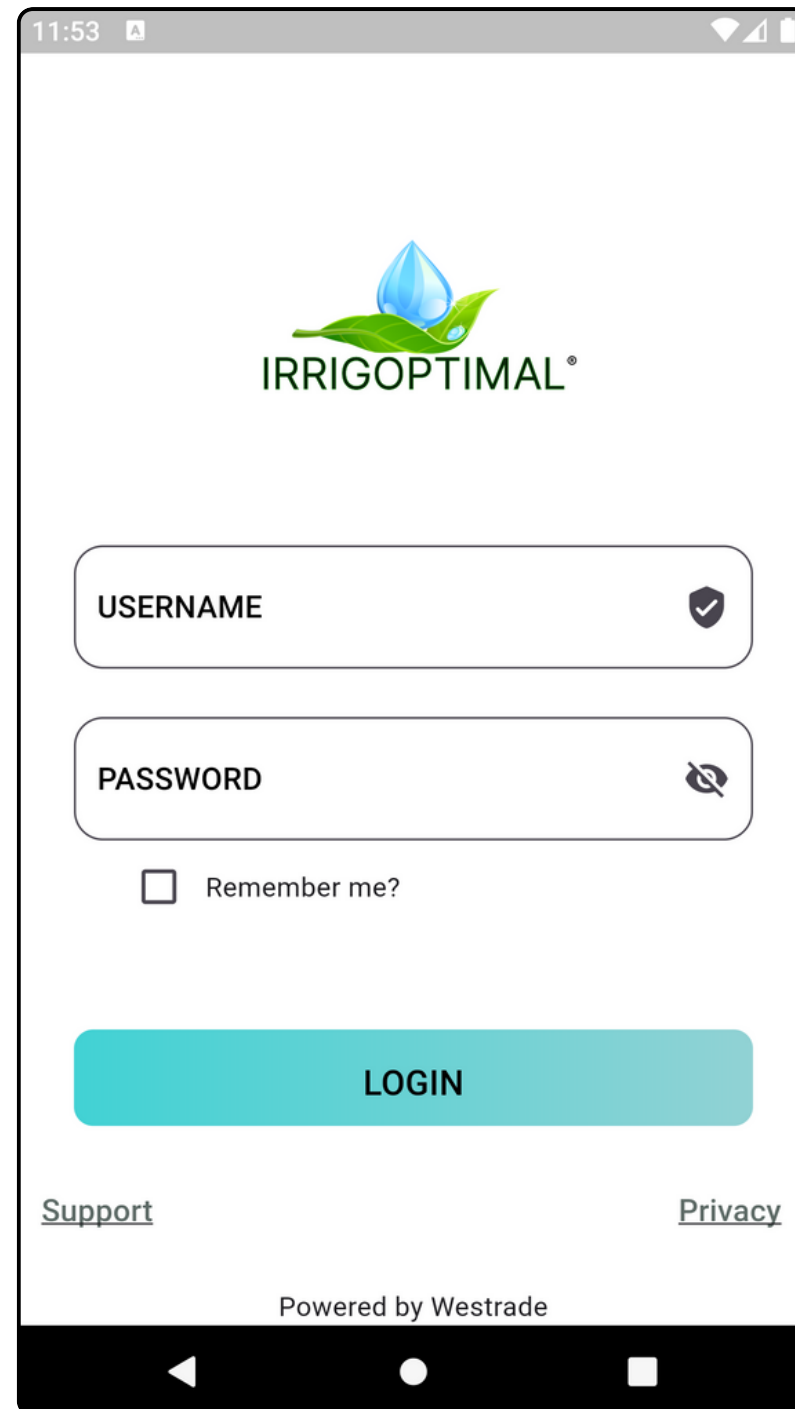


INSTALLATION

- Go to your application store (Google Play Store or Apple App Store)
- Search for "IRRIGOPTIMAL[®]" in the search field
- Select the application and click the "Install" or "Download" button to download and install it on your device.



LOGIN PAGE:



11:53

IRRIGOPTIMAL®

USERNAME

PASSWORD

☐ Remember me?

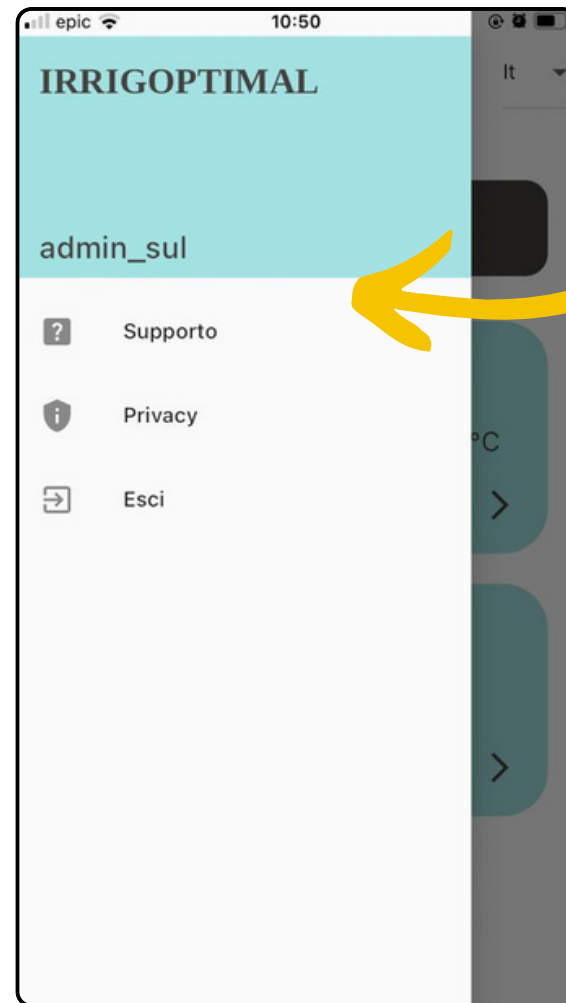
LOGIN

[Support](#) [Privacy](#)

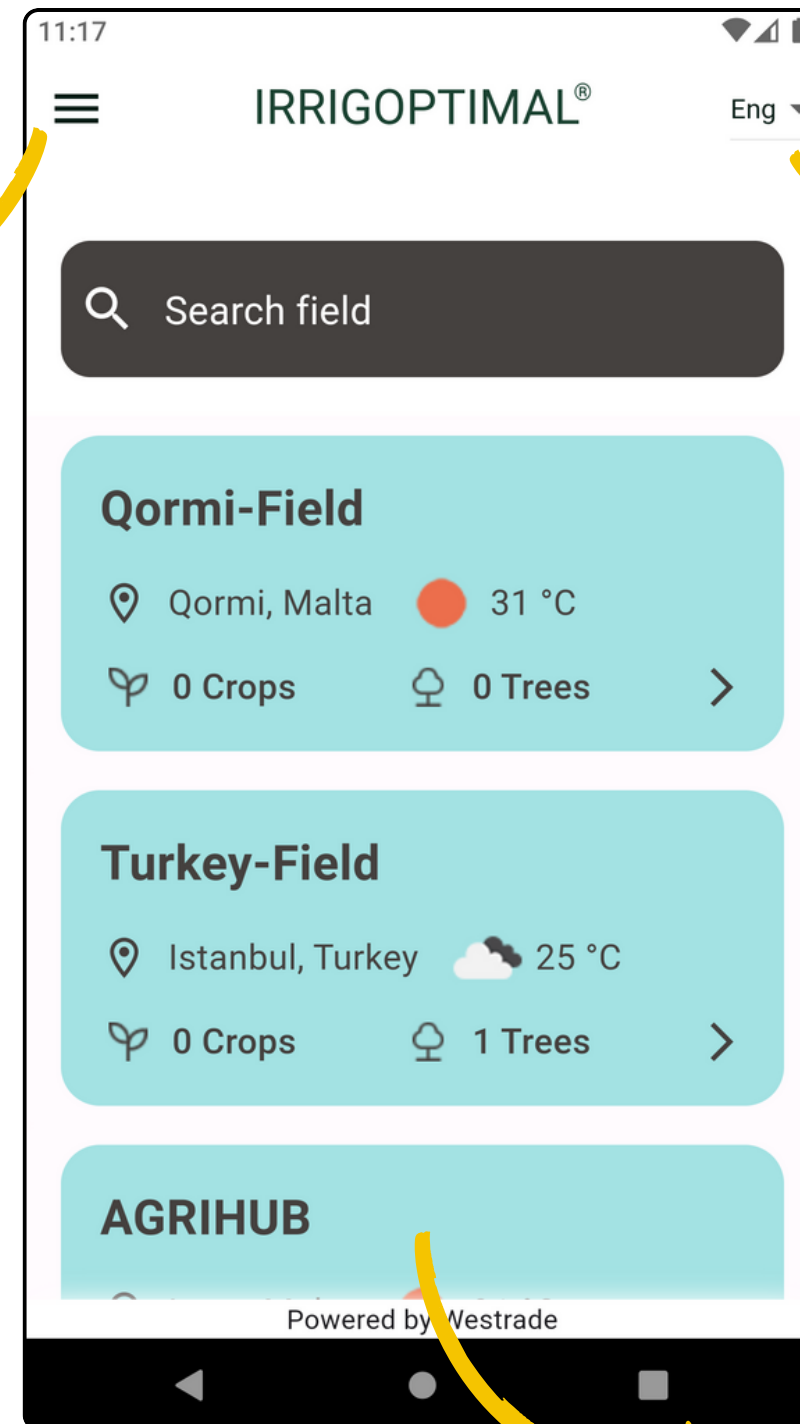
Powered by Westrade

- Open the **IRRIGOPTIMAL®** app by clicking on the icon. The login page is shown in figure;
- Fill in the fields with your **username** and your **password** associate with your account (provided after the conclusion of the contract);
- Make sure you don't forget them, as you will need to log in in the future;
- To avoid this, click the button '**Remember me**'.
- **Log in.**
- Once you log in, you will not need to set up your profile. The required information relating to your agricultural field, such as location, type of cultivation, type of soil and size of the irrigation area will be set by our team when the service starts.
- The information you provide will be used to calculate optimal watering needs.

HOMEPAGE:



If you click the 3 bars this is what you will find. See more at page...



In the upper right side, you can choose the appropriate language by clicking on it.

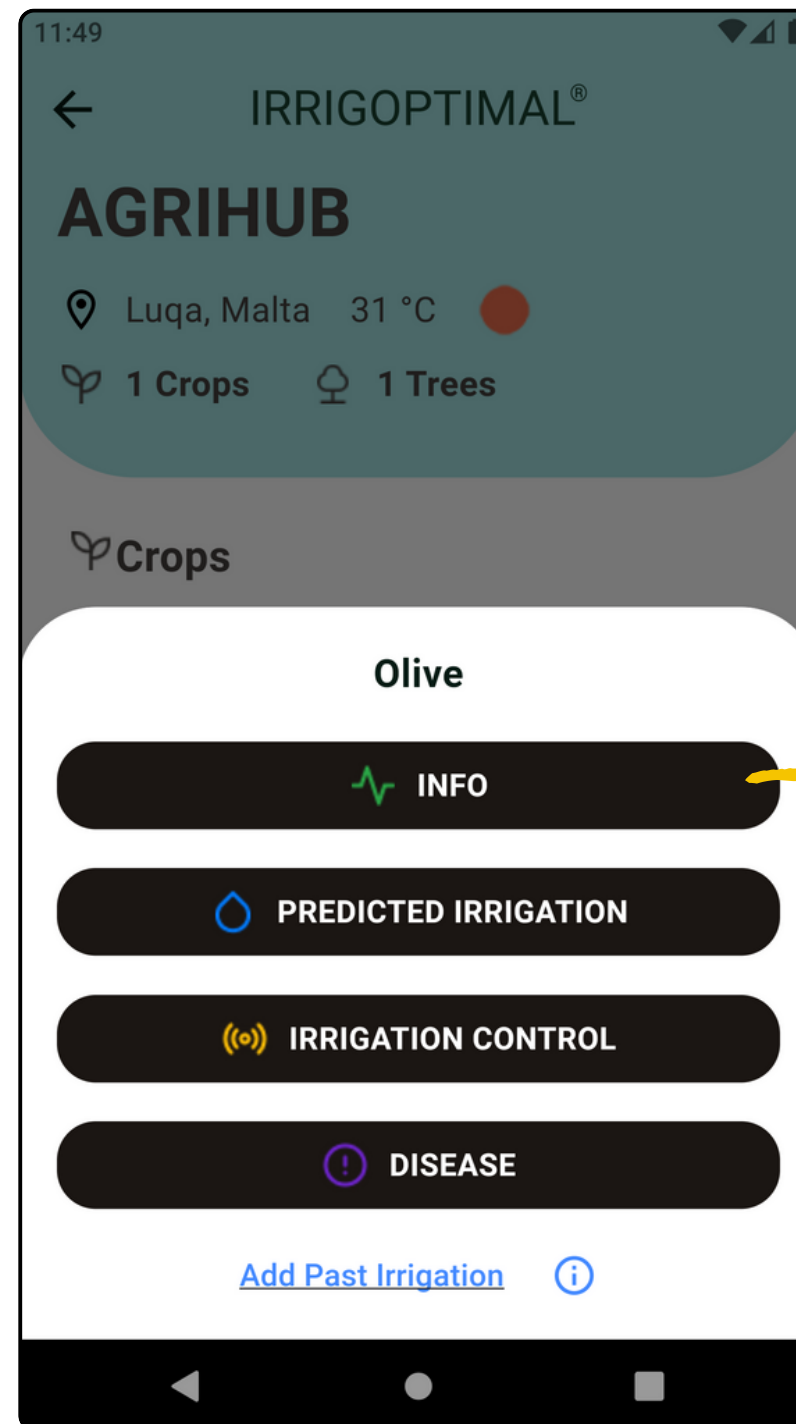
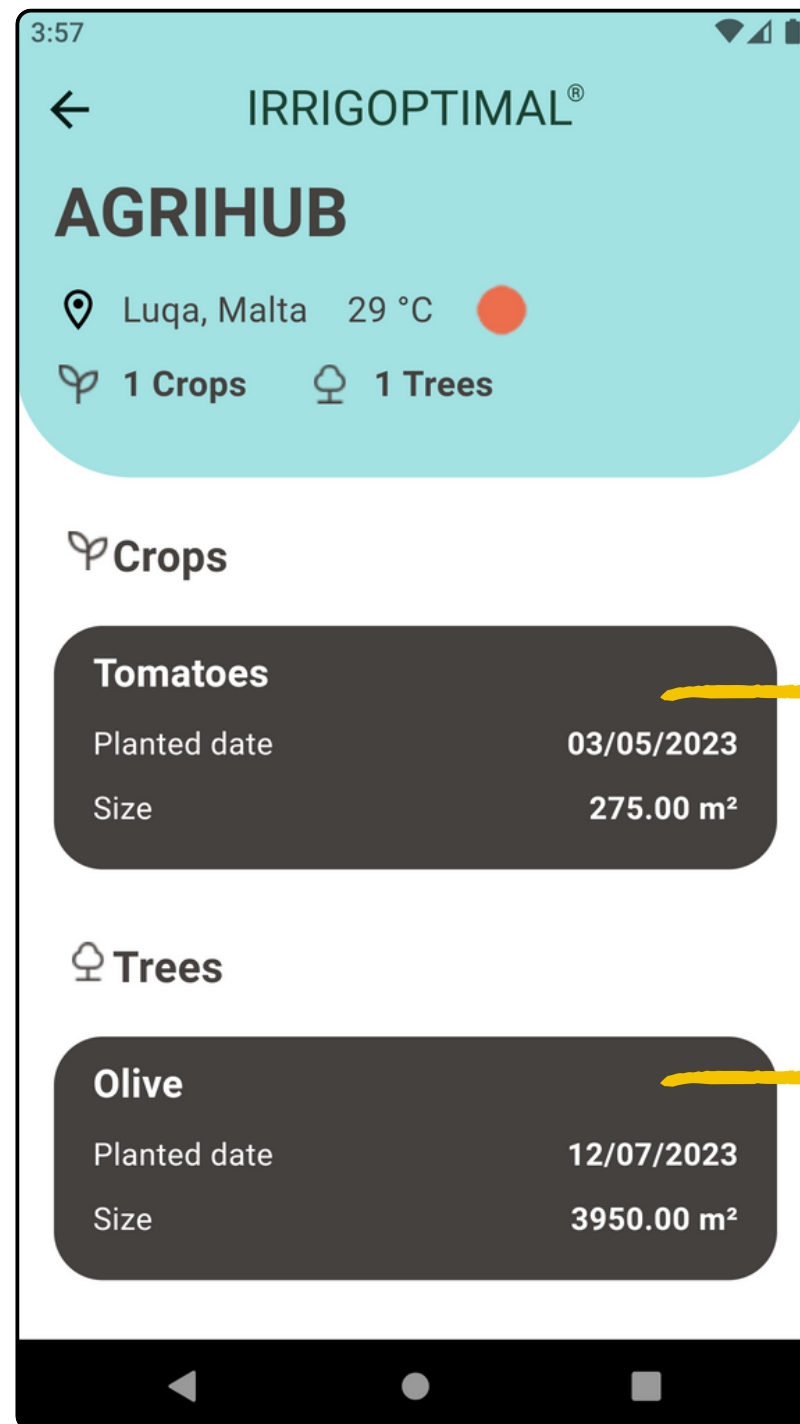
After the profile has been configured by the WEST team, you will find the **"Your fields"** page within your account from which you can quickly access the list of crops you are growing and associated with the IRRIGOPTIMAL® system.

For each crop, the following will be specified: the name, the size, the age of the plants, the type of soil and the last irrigation carried out.

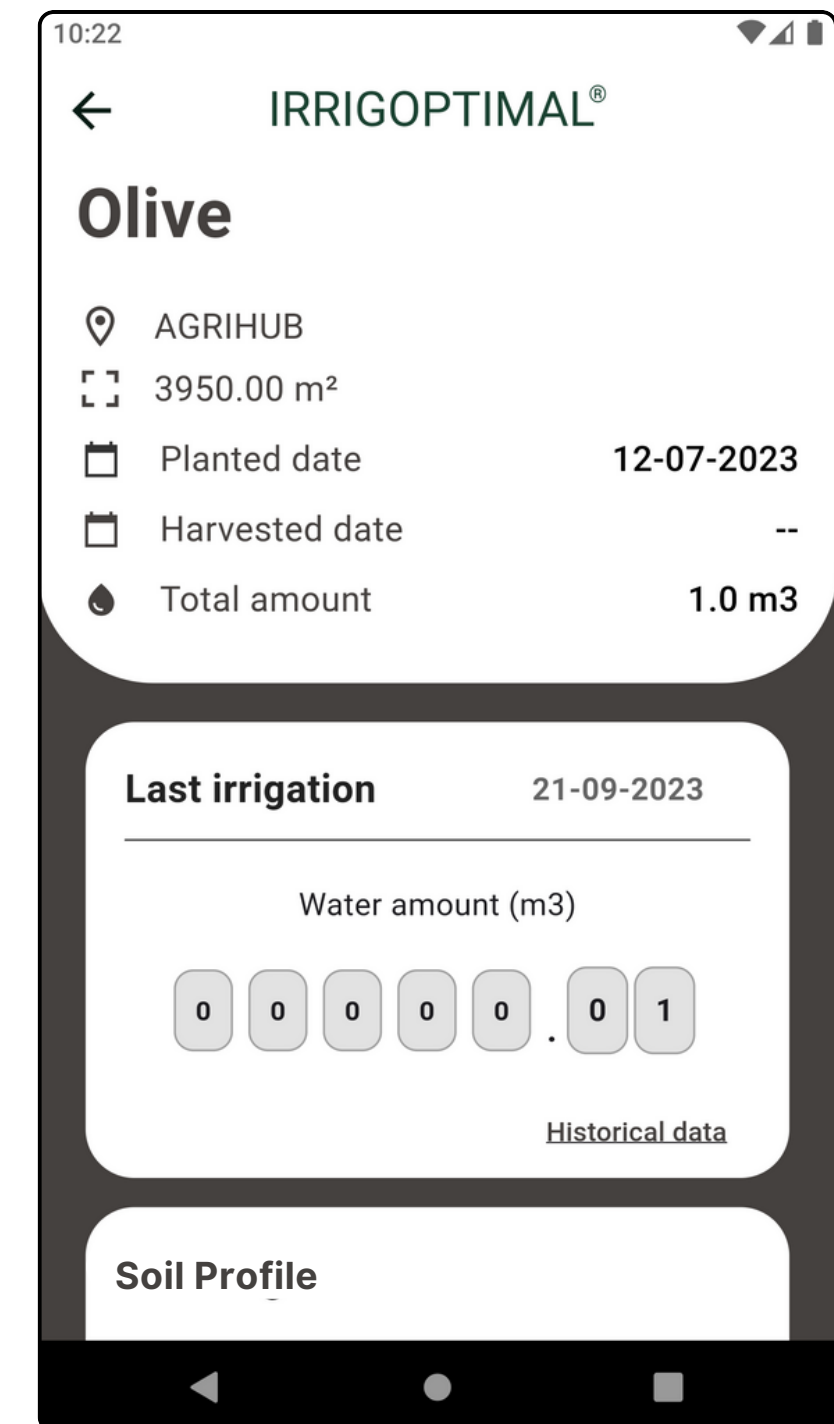
Crop information will help calculate specific water needs for each plant.

Click on your field and explore...

ACCESS TO MODULES: FIELDS AND CROPS MANAGEMENT



If you click
on **INFO**:



ACCESS TO MODULES: INFO module

10:22

← IRRIGOPTIMAL®

Olive

📍 AGRIHUB
📏 3950.00 m²
📅 Planted date 12-07-2023
📅 Harvested date --
💧 Total amount 1.0 m3

Last irrigation 21-09-2023

Water amount (m3)

0 0 0 0 0 . 0 1

Historical data

Soil Profile

10:02

← IRRIGOPTIMAL®

📅 Harvested date --
💧 Total amount 1.0 m3

Last irrigation 26-09-2023

Water amount (m3)

0 0 0 0 0 . 0 4

Historical data

Soil Profile

● Clay: 11.76 Sand: 47.06 ●
● WHC: 0 VOL: 0 ●
● WHC mm: 154.0 Silt: 41.18 ●

10:02

← IRRIGOPTIMAL®

Olive

📍 AGRIHUB
📏 3950.00 m²
📅 Planted date 12-07-2023
📅 Harvested date --
💧 Total amount 1.0 m3

Historical data

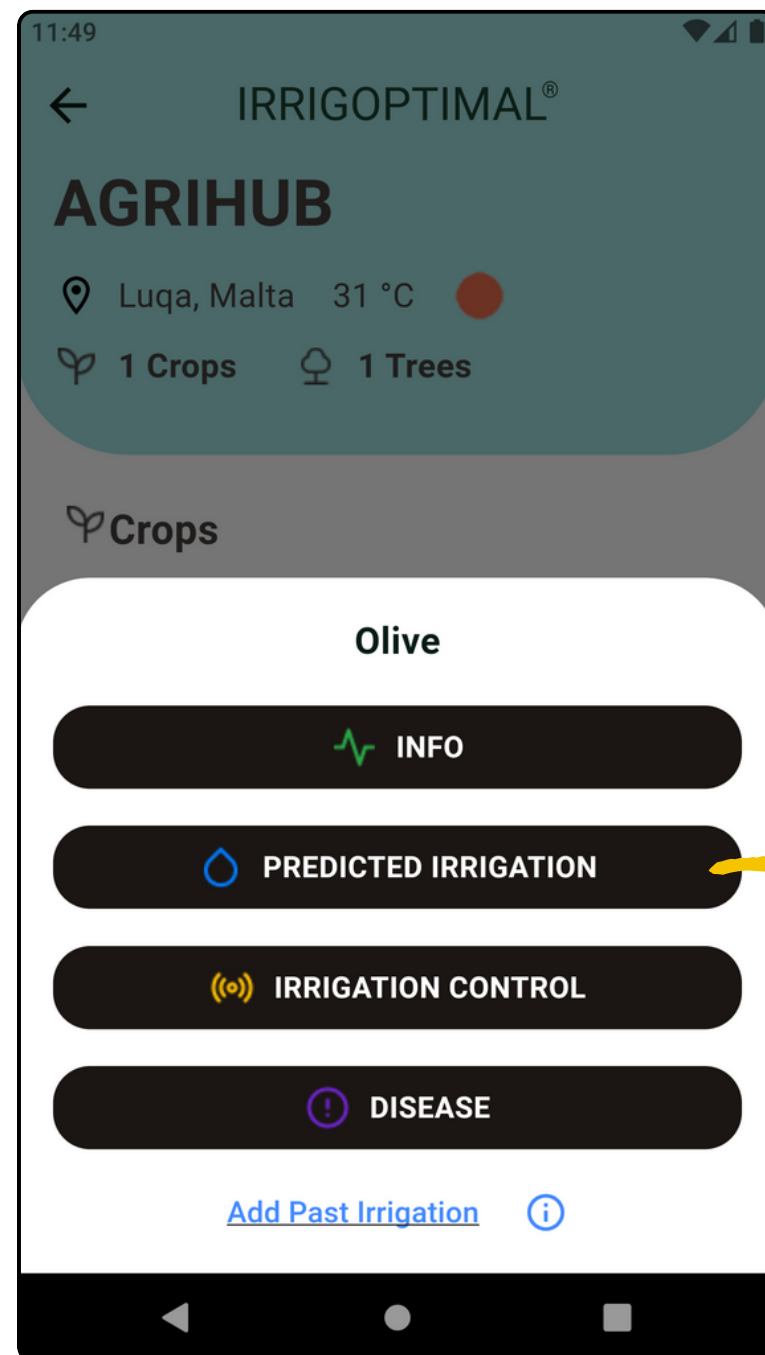
2023-09-26 09:31

Water Amount 44.00

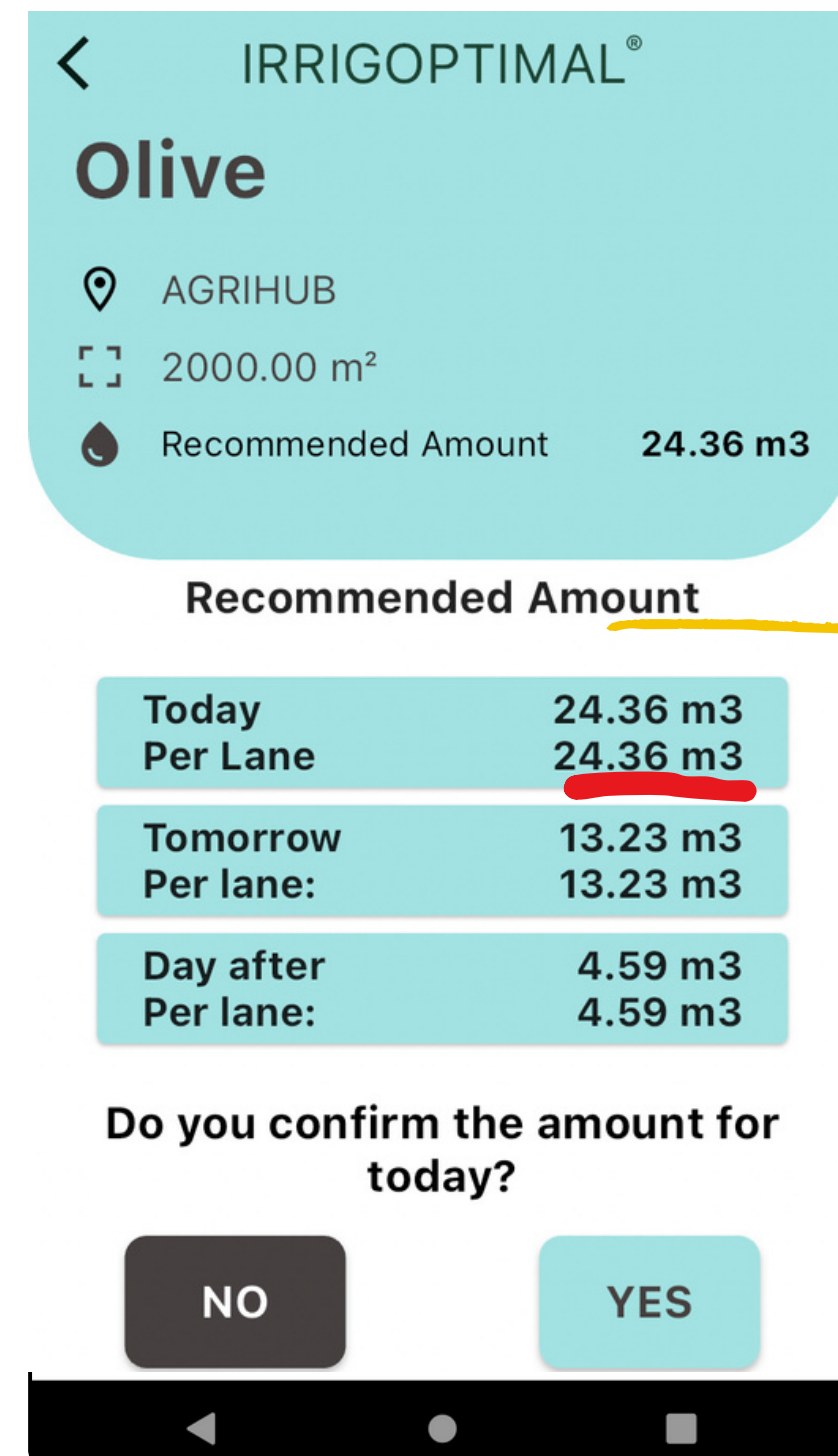
2023-09-25 21:35

ACCESS TO MODULES: **PREDICTED IRRIGATION**

"Predicted Irrigation", "Irrigation Control" e "Disease" Modules are able to monitor and optimize the health of your plants, improve irrigation management and address any disease issues.



If you click on
PREDICTED IRRIGATION:



Here, IRRIGOPTIMAL® will suggest the **recommended amount of water for irrigating** that specific crop for the current day, as well as showing the irrigation forecast for the next two days.

Furthermore, if there are multiple rows, the system will show you the quantity of water to give for each one.

The 'Recommended amount' - expressed in cubic meters (m³) - can be equal to or greater than 0 (zero).

PREDICTED IRRIGATION: 'YES' PROCESS

If you confirm (YES) the amount for today when the amount is **equal to 0** (zero)

IRRIGOPTIMAL®

Olive

AGRIHUB

2000.00 m²

Recommended Amount 24.36 m³

Recommended Amount	
Today	24.36 m³
Per Lane	24.36 m³
Tomorrow	13.23 m³
Per lane:	13.23 m³
Day after	4.59 m³
Per lane:	4.59 m³

Do you confirm the amount for today?

NO

YES

If you click on **YES**

IRRIGOPTIMAL®

AGRIHUB

Luqa, Malta 32 °C

1 Crops 1 Trees

No irrigation needed

The recommended amount of water for today is 0 (zero). It means that no irrigation will occur today, except if you decide to change the amount

Change amount ok

IRRIGATION CONTROL

DISEASE

Add Past Irrigation

If you accept the recommendation, when the suggested quantity of water to irrigate is equal to 0, the IRRIGOPTIMAL® system opens a modal that asks you to confirm (**Ok**) or '**Change amount**'.

If you click on 'Change amount', the screen will open to enter the desired amount of water.

IRRIGOPTIMAL®

Olive

AGRIHUB

250.00 m²

Choose amount

Liters

CONFIRM AMOUNT

PREDICTED IRRIGATION: 'YES' PROCESS

If you confirm (YES) the amount for today when the amount is **greater than 0** (zero)

IRRIGOPTIMAL®

Olive

AGRIHUB

2000.00 m²

Recommended Amount **24.36 m3**

Recommended Amount	
Today	24.36 m3
Per Lane	24.36 m3
Tomorrow	13.23 m3
Per lane:	13.23 m3
Day after	4.59 m3
Per lane:	4.59 m3

Do you confirm the amount for today?

NO YES

If you click on **YES**

11:34

IRRIGOPTIMAL®

Olive

AGRIHUB

250.00 m²

IRRIGATION AMOUNT

10 Liters

I WILL DO IRRIGATION MANUALLY

I WILL IRRIGATE WITH ACTUATOR

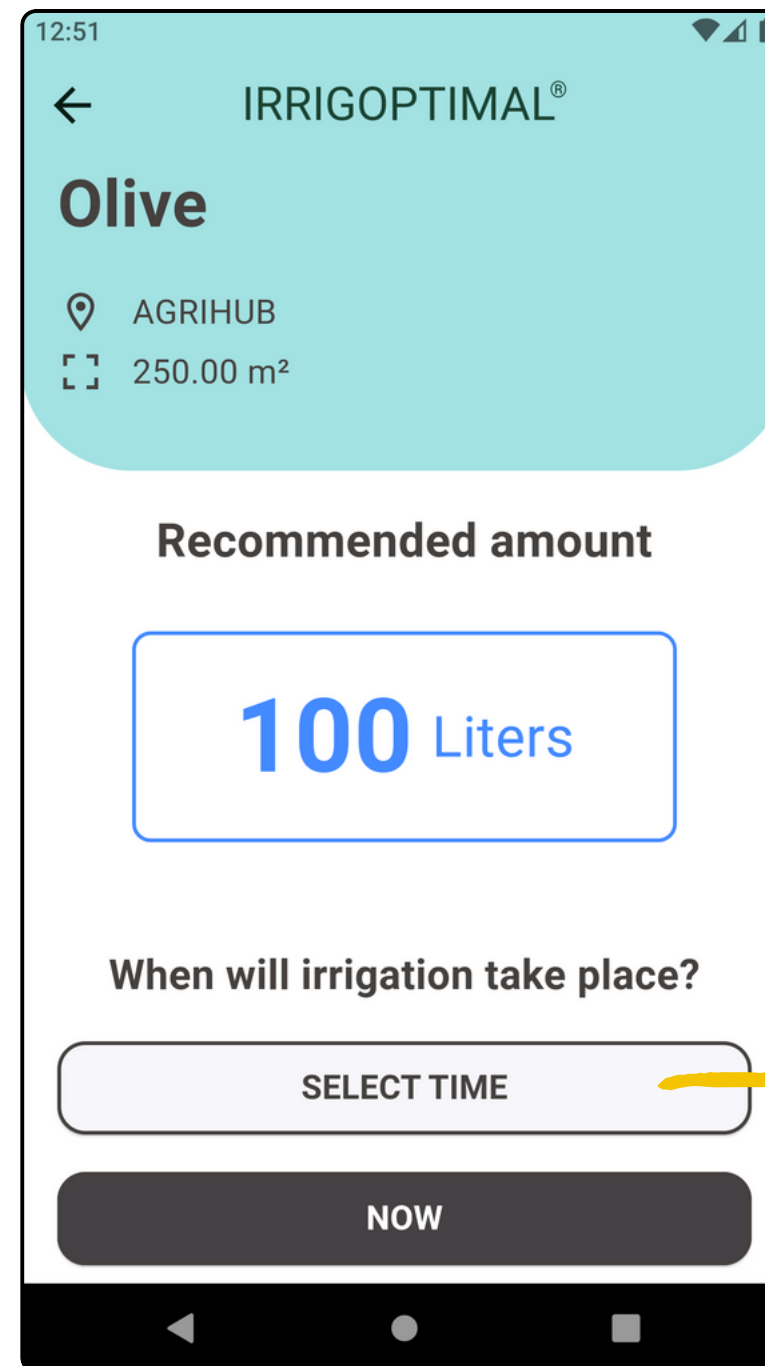
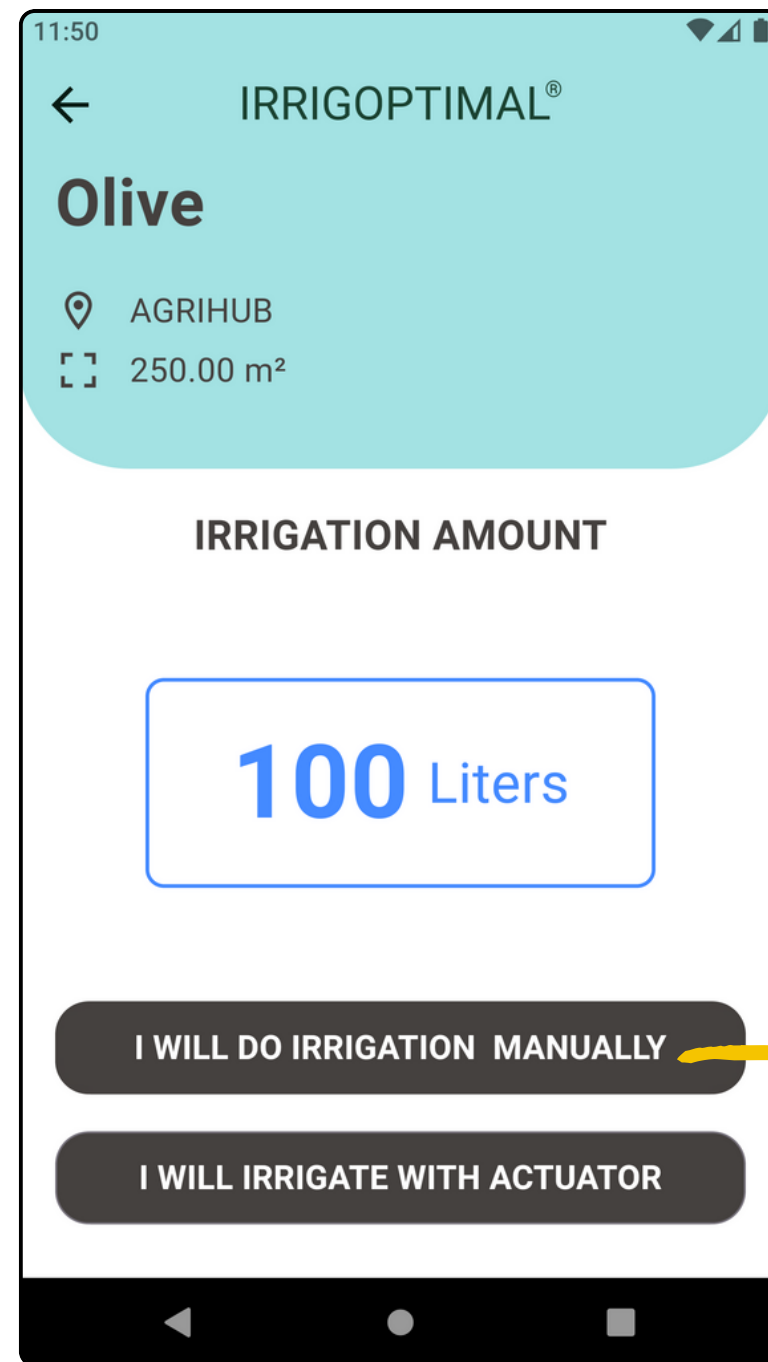
When you confirm (YES) the amount for today (when > 0) the next screen opens, which allows you to choose 'how' you want to irrigate:

- **manually**
- or
- **with actuators** (i.e., automatic irrigation system)

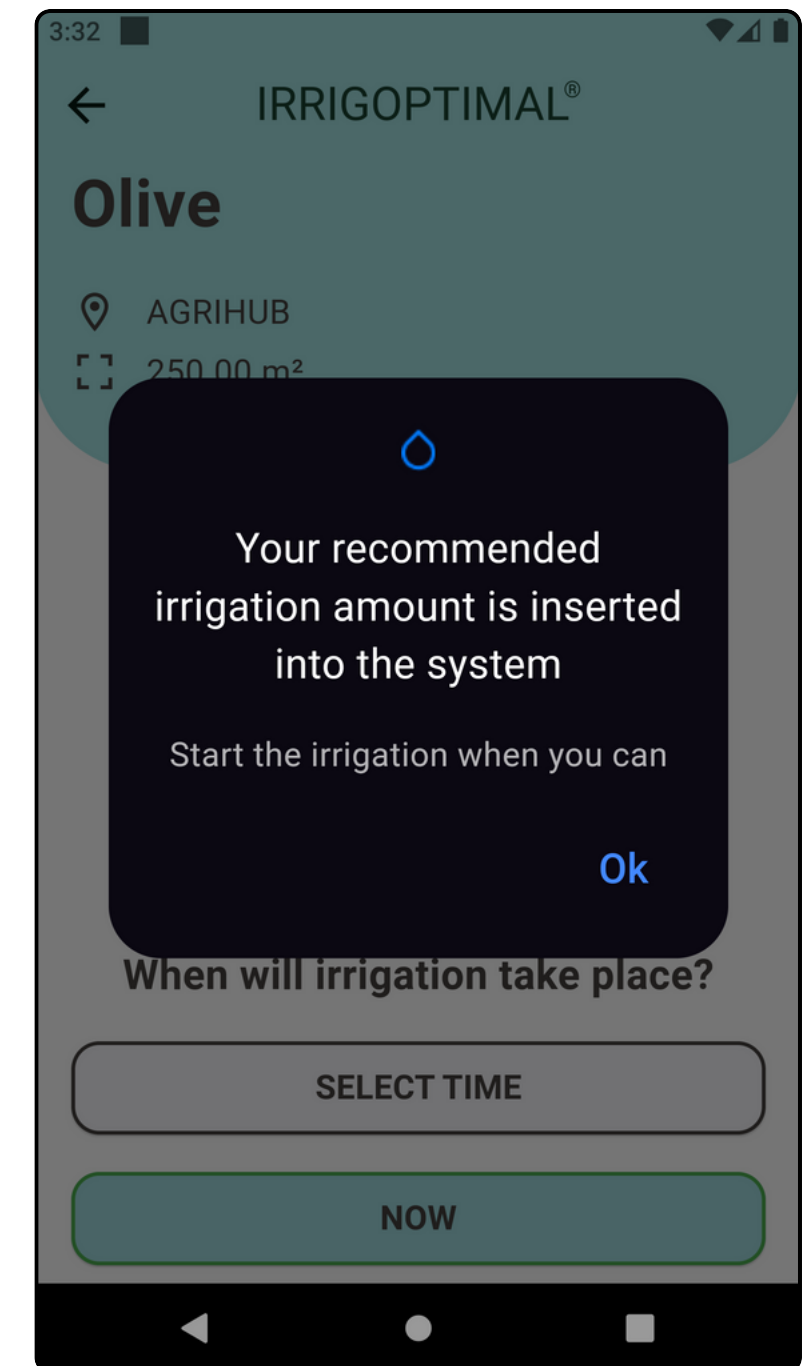
PREDICTED IRRIGATION: 'YES' PROCESS - Manually

YES PROCESS MANUALLY:

You can choose to irrigate 'NOW' or 'SELECT TIME'

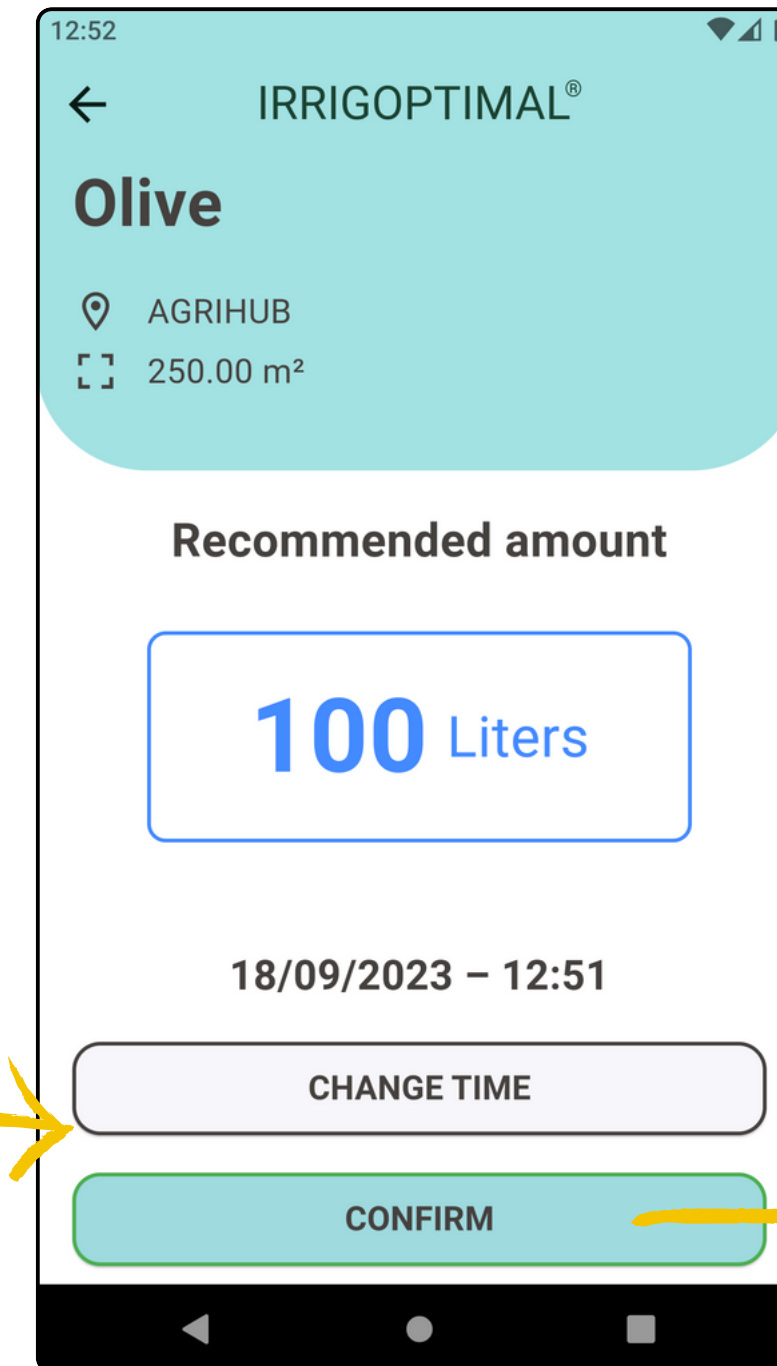
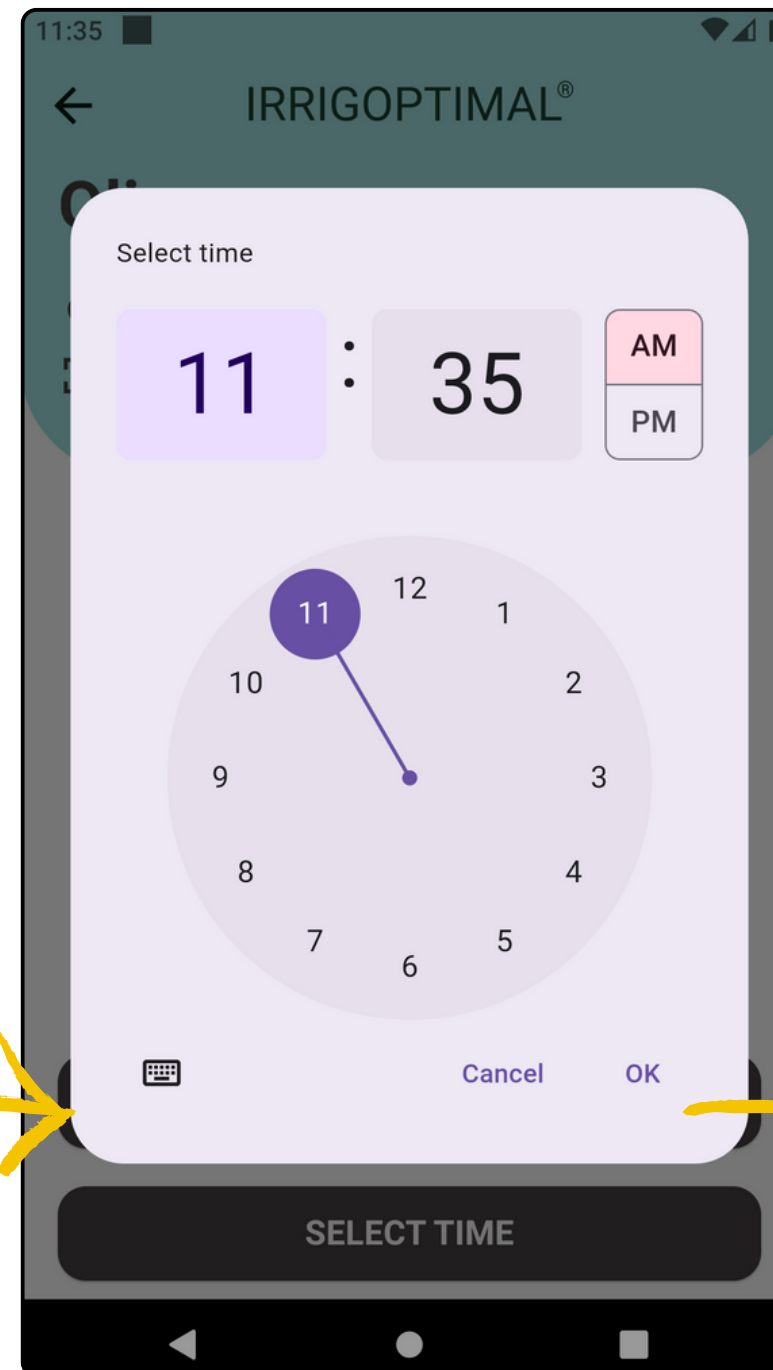
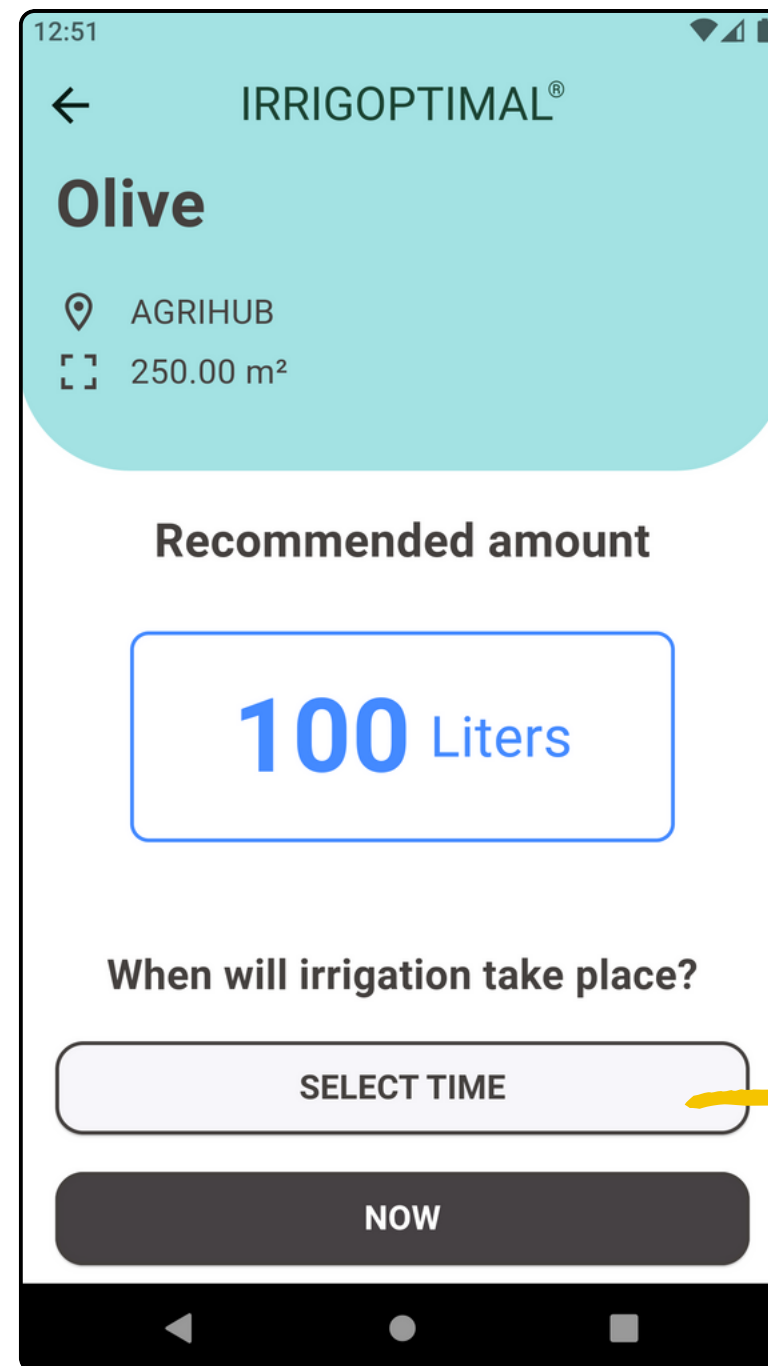


If you choose
NOW:



PREDICTED IRRIGATION: 'YES' PROCESS - Manually

If you choose **SELECT TIME**:

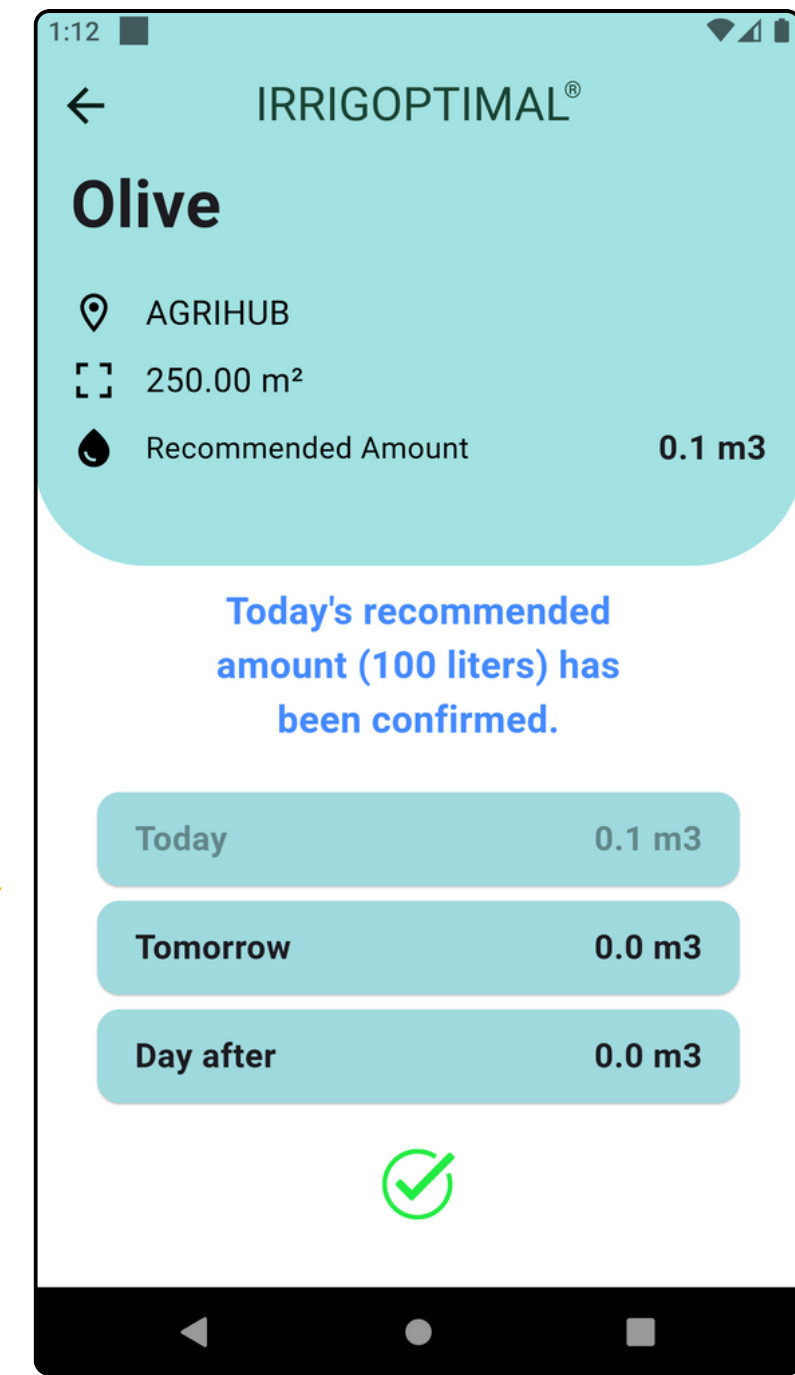
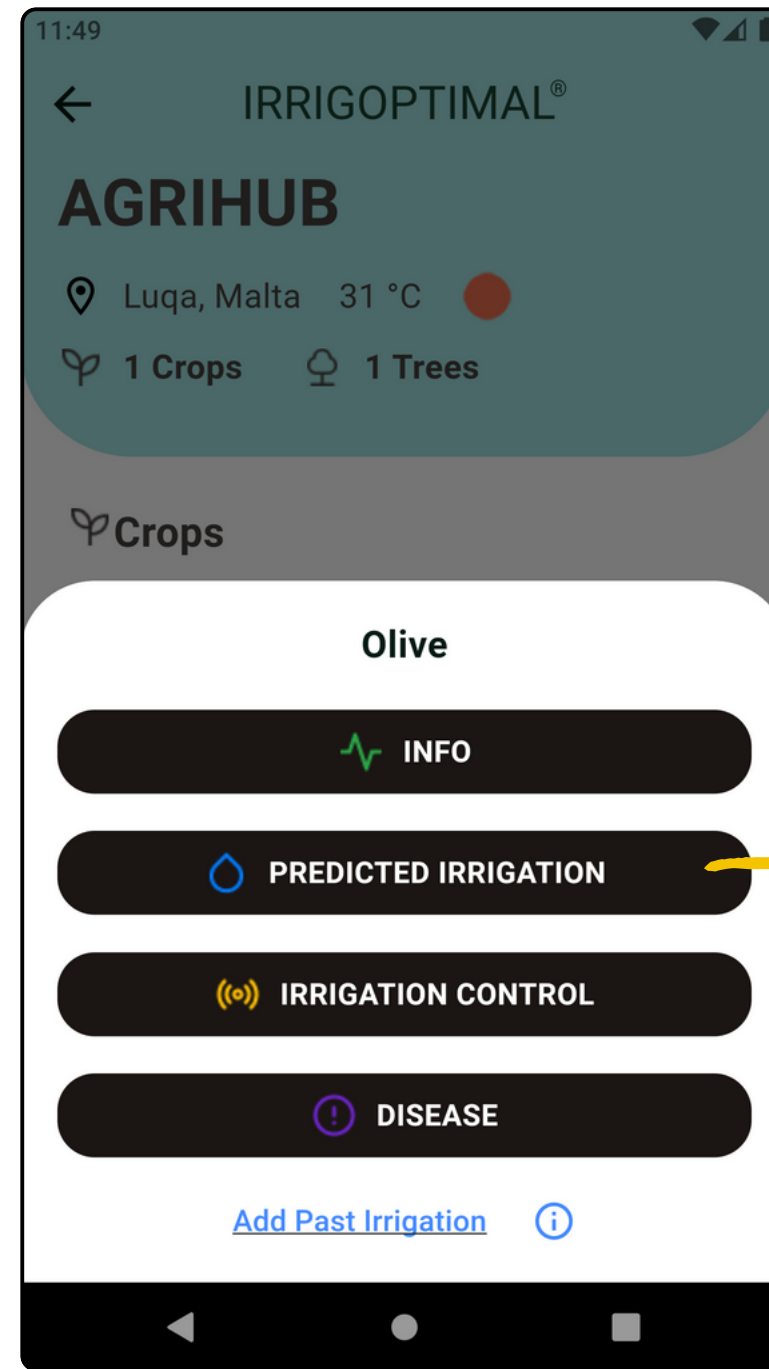
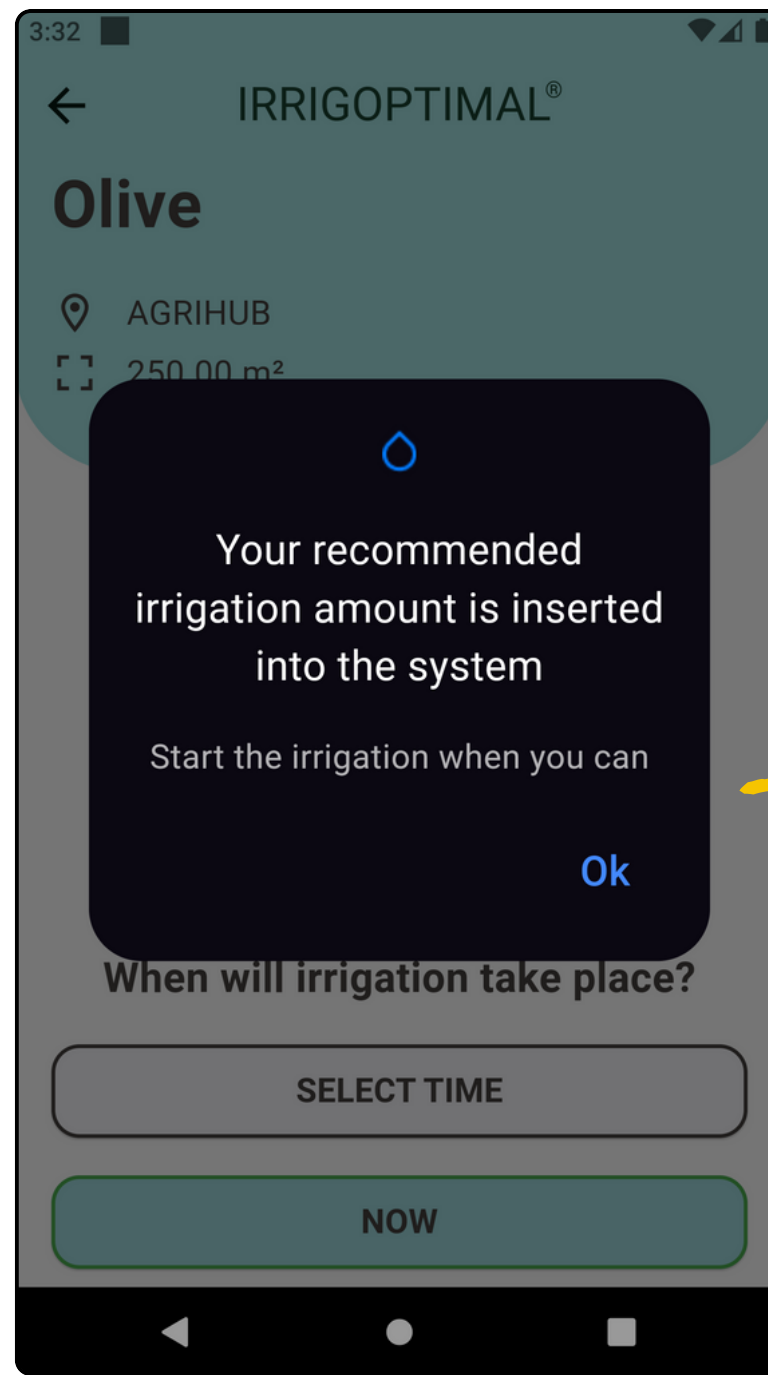


You can
'change
time' or
'**Confirm**'
the selected
time.

PREDICTED IRRIGATION: 'YES' PROCESS - Manually

End of 'YES PROCESS' Manually.

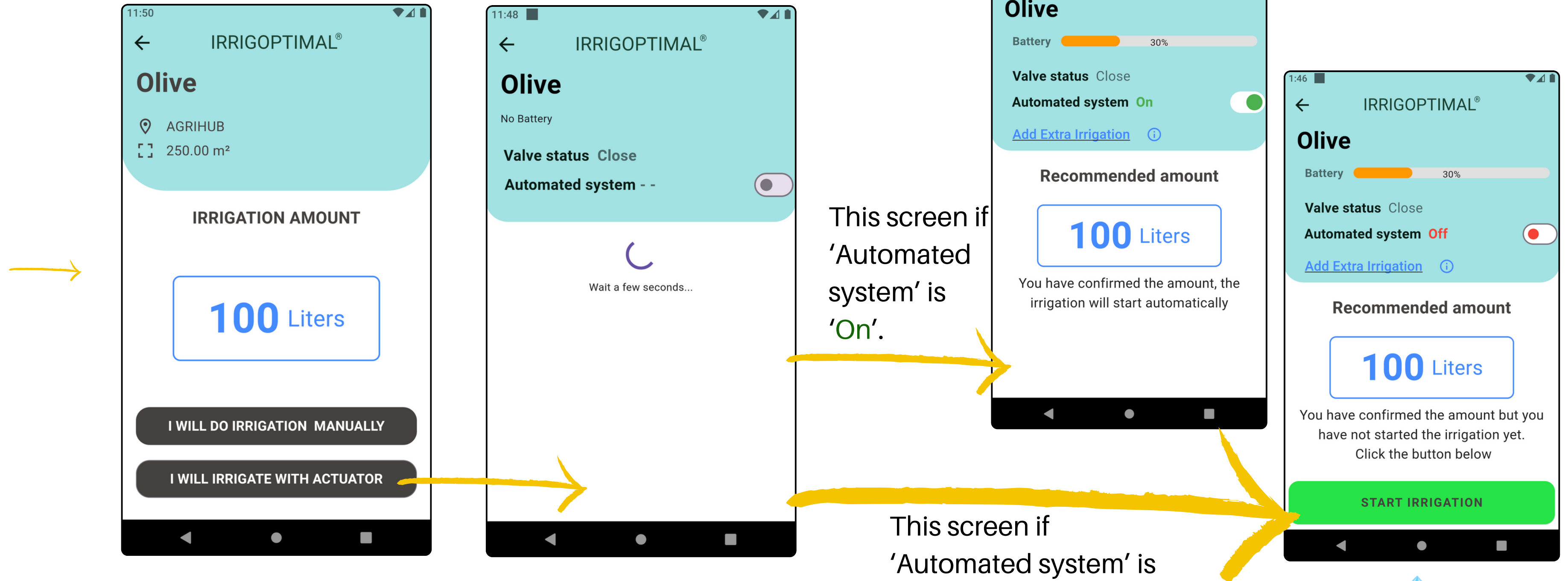
If you come back to the PREDICTED IRRIGATION PAGE, you will find the end of the Manually YES PROCESS.



PREDICTED IRRIGATION: 'YES' PROCESS - with ACTUATORS

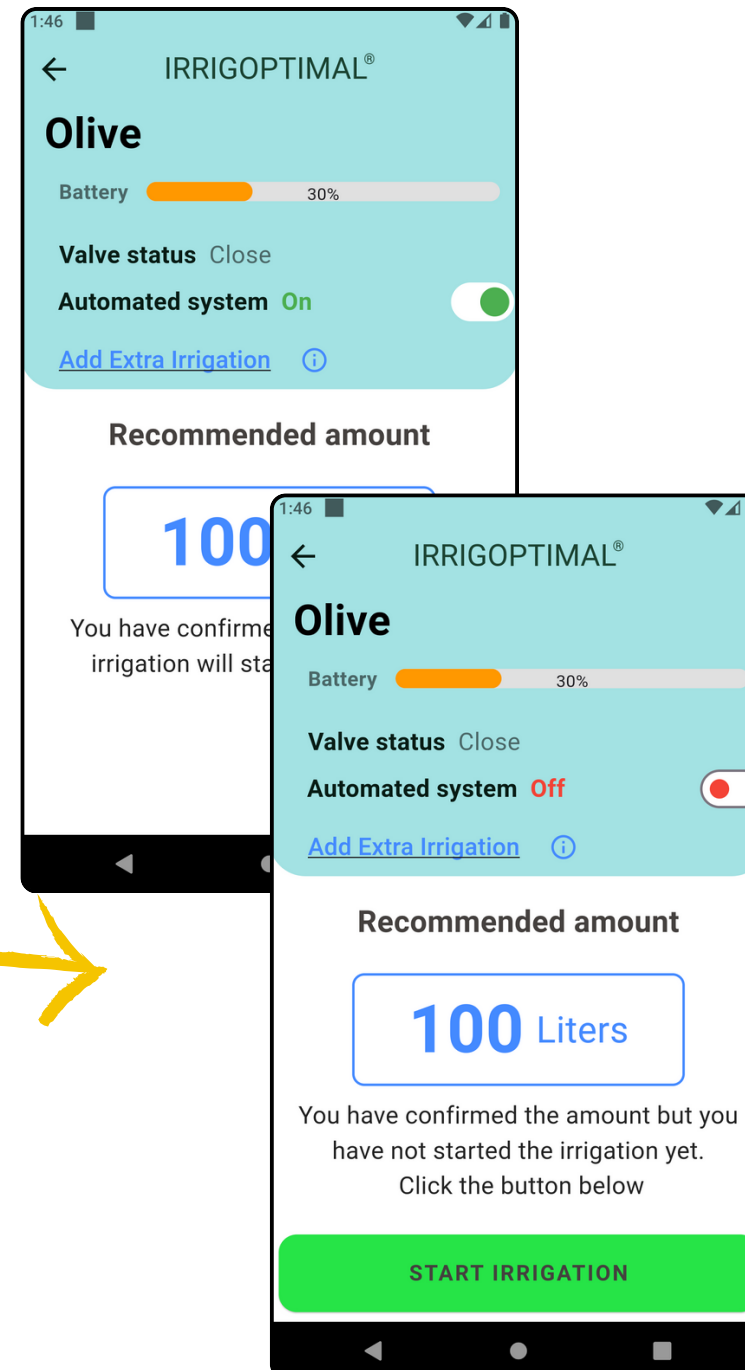
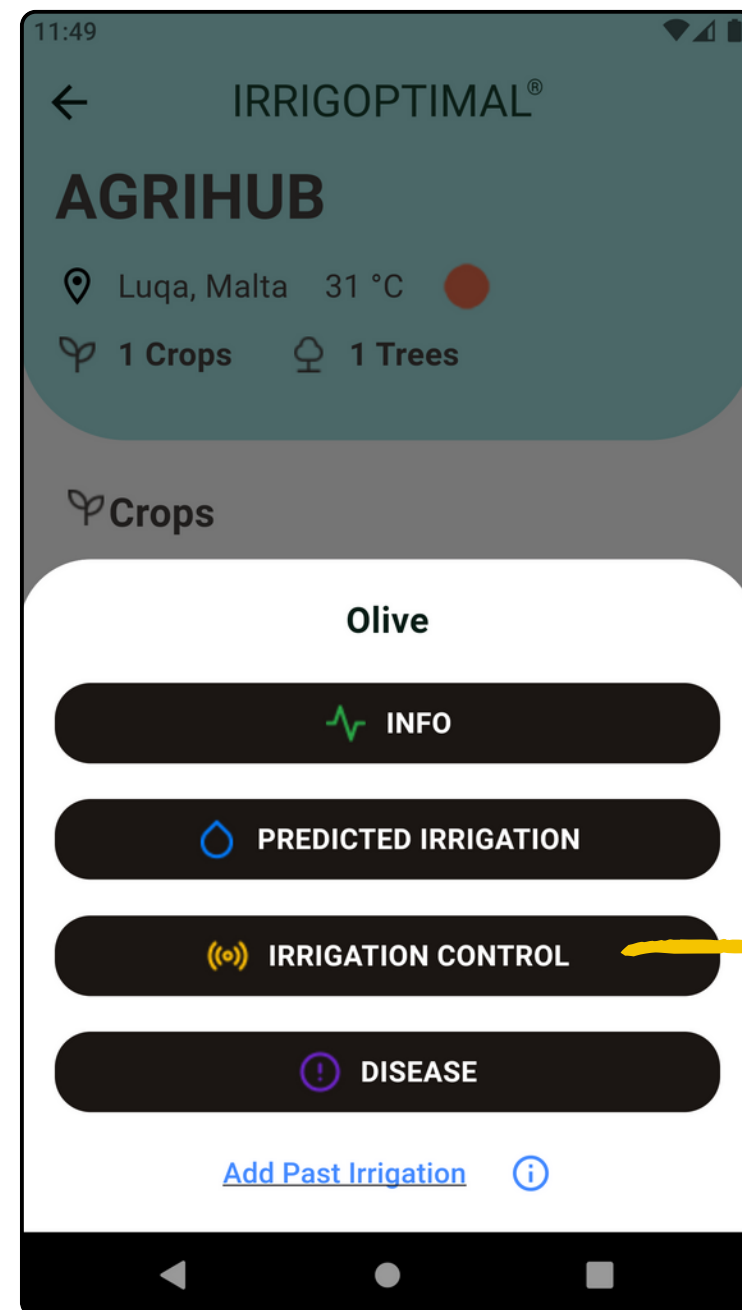
YES PROCESS with ACTUATORS:

(You can choose to IRRIGATE MANUALLY OR WITH ACTUATORS)



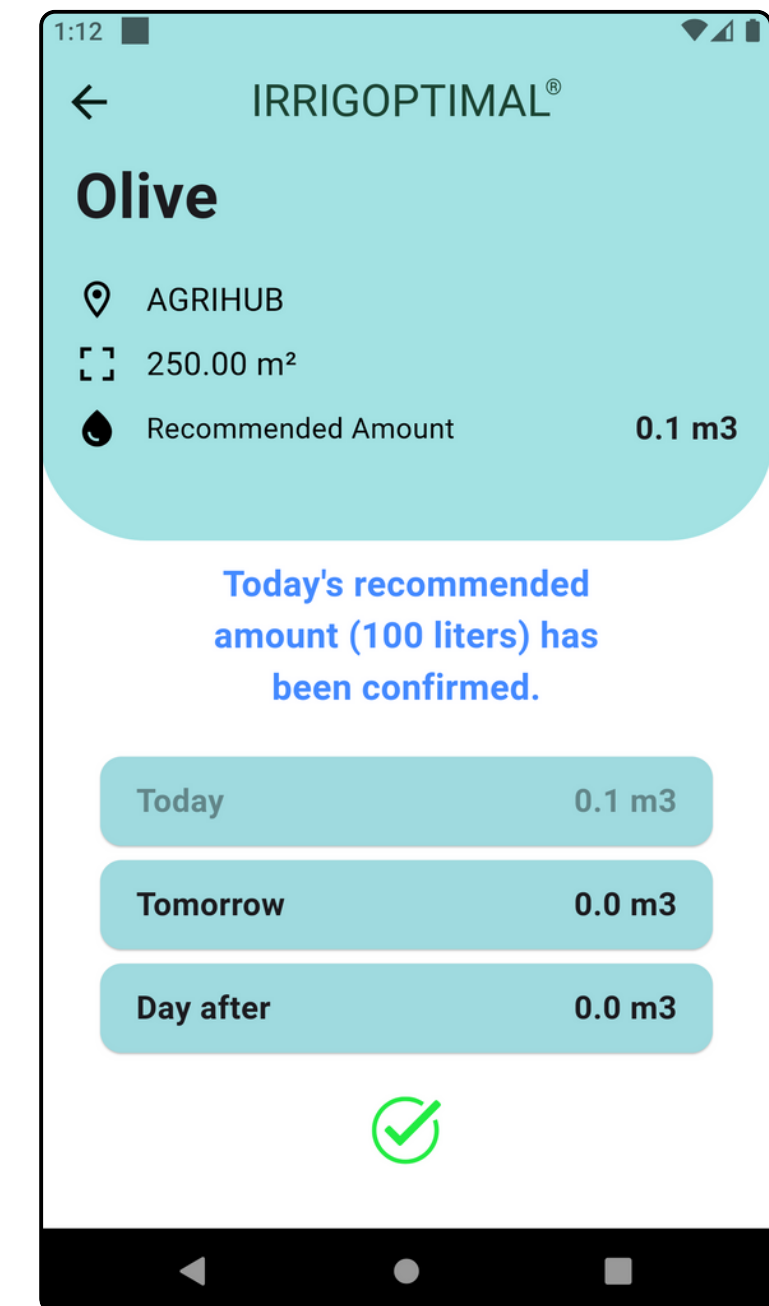
PREDICTED IRRIGATION: 'YES' PROCESS - with ACTUATORS

Once you have accepted the prediction and chosen to irrigate with actuators, you land on the "IRRIGATION CONTROL" page automatically.



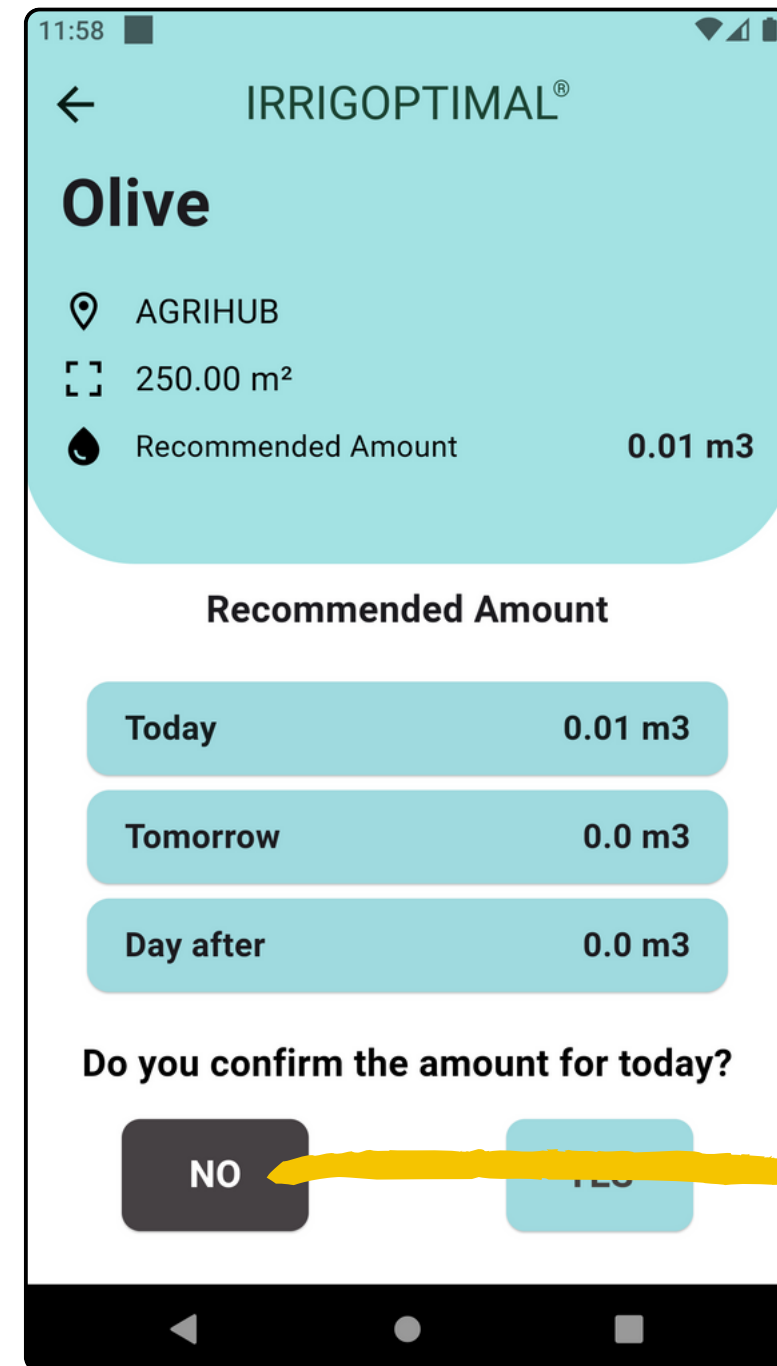
If you come back to the PREDICTED IRRIGATION PAGE, you will find the end of YES PROCESS with actuators.

End of 'YES PROCESS' with actuators

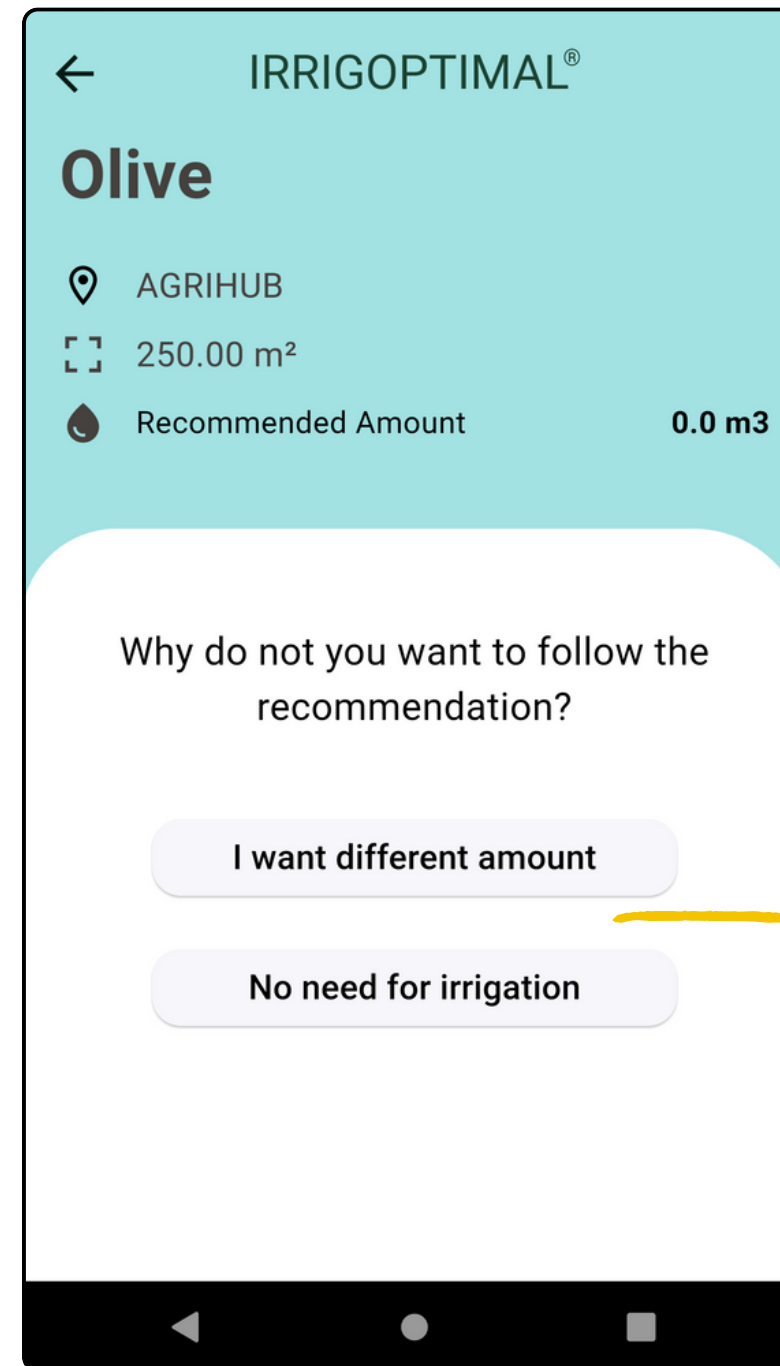


PREDICTED IRRIGATION: 'NO' PROCESS - Manually

'NO' process MANUALLY:



If you click on 'NO', not confirming the amount for today:



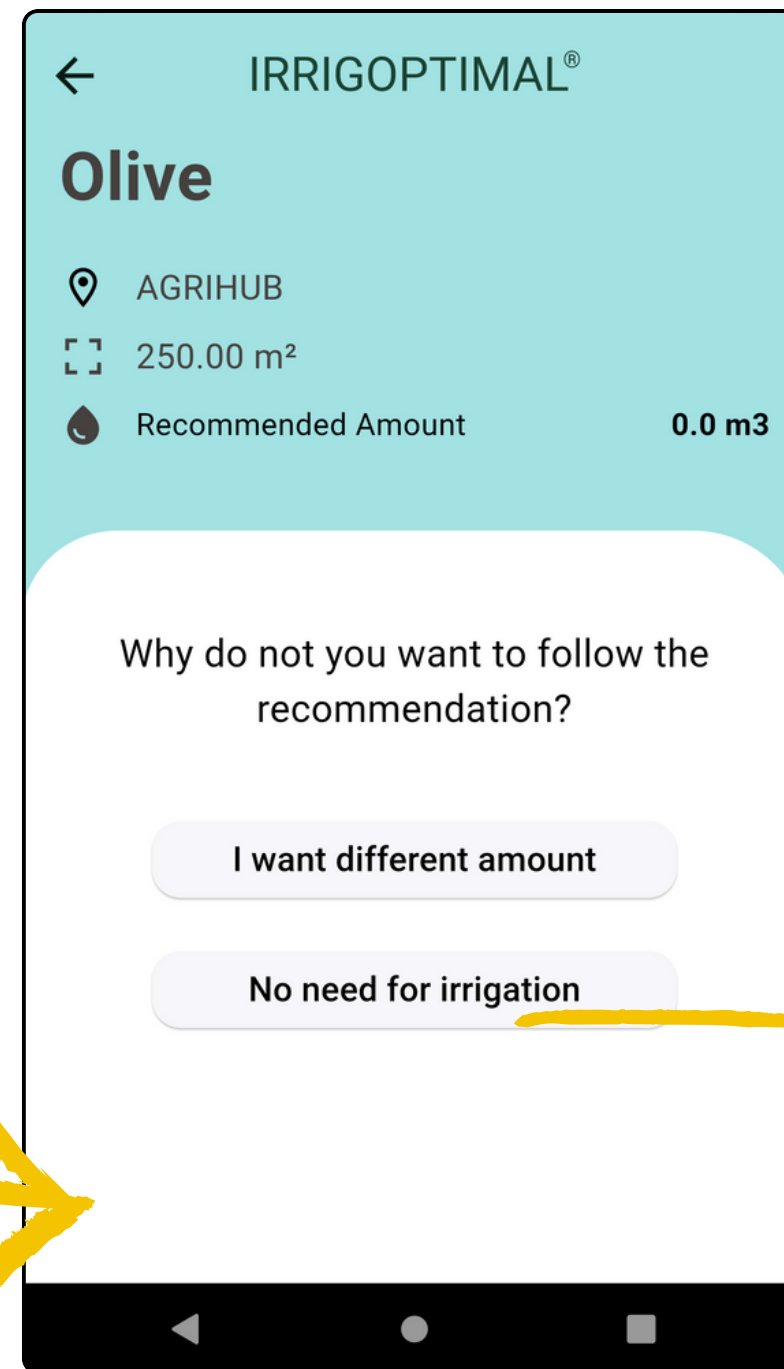
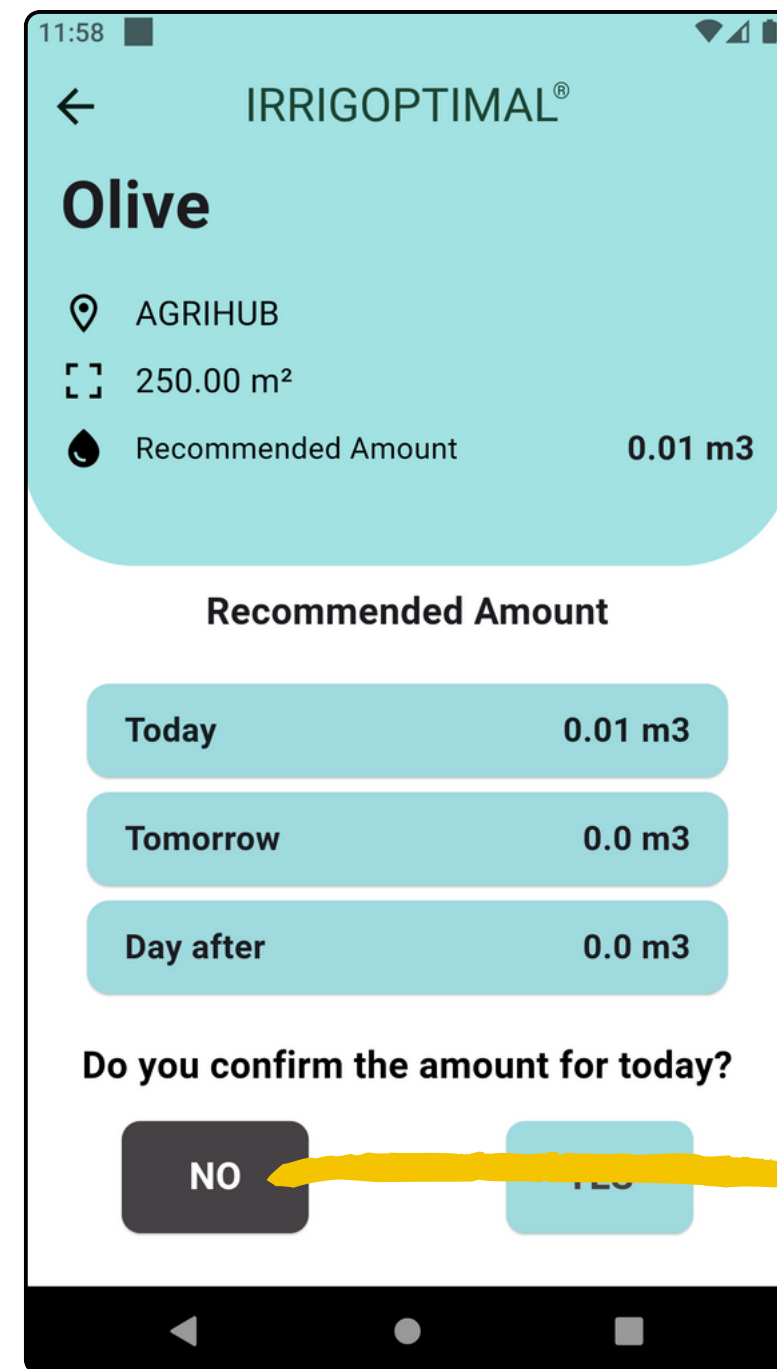
One of the distinctive features of IRRIGOPTIMAL® is the flexibility it offers the user in making irrigation decisions.

While the application calculates and provides recommendations for the optimal amount of water needed to irrigate your crops, you have the option to choose to follow, modify or not follow those suggestions.

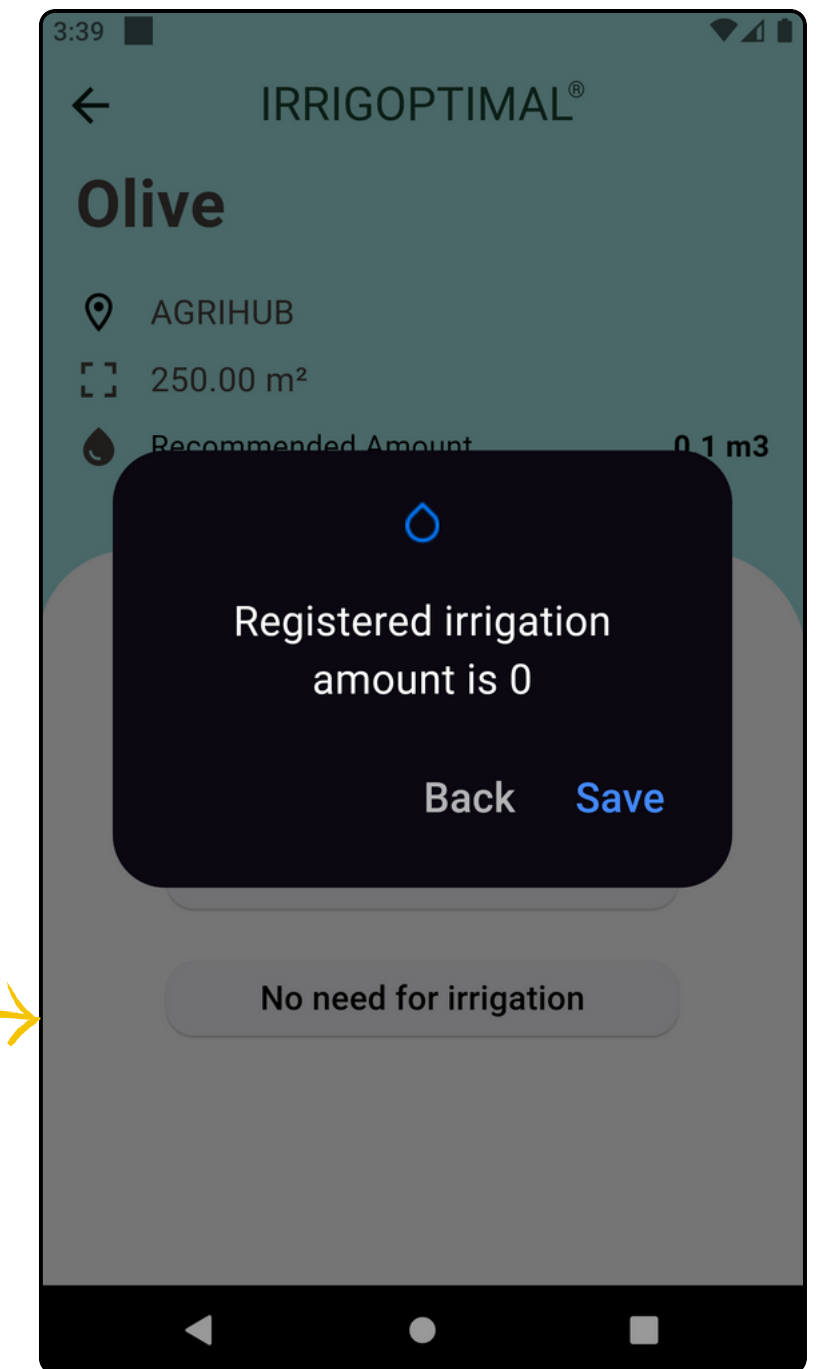
You can choose to have a '**Different amount**' or '**Not irrigate at all**' if you think there is no need for irrigation or that the irrigation amount is not right.

PREDICTED IRRIGATION: 'NO' PROCESS

'NO' process: IF you choose 'No need for irrigation'

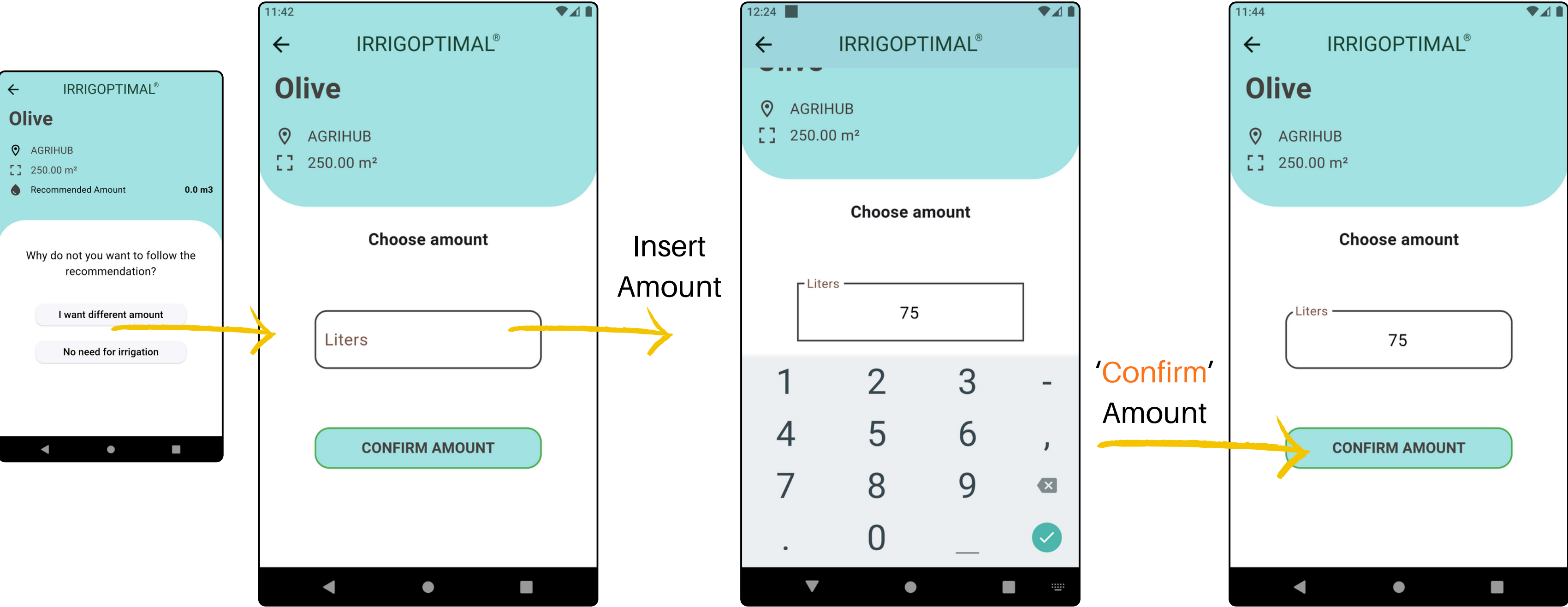


If you click on 'No need for irrigation', the registered amount is 0 (zero).



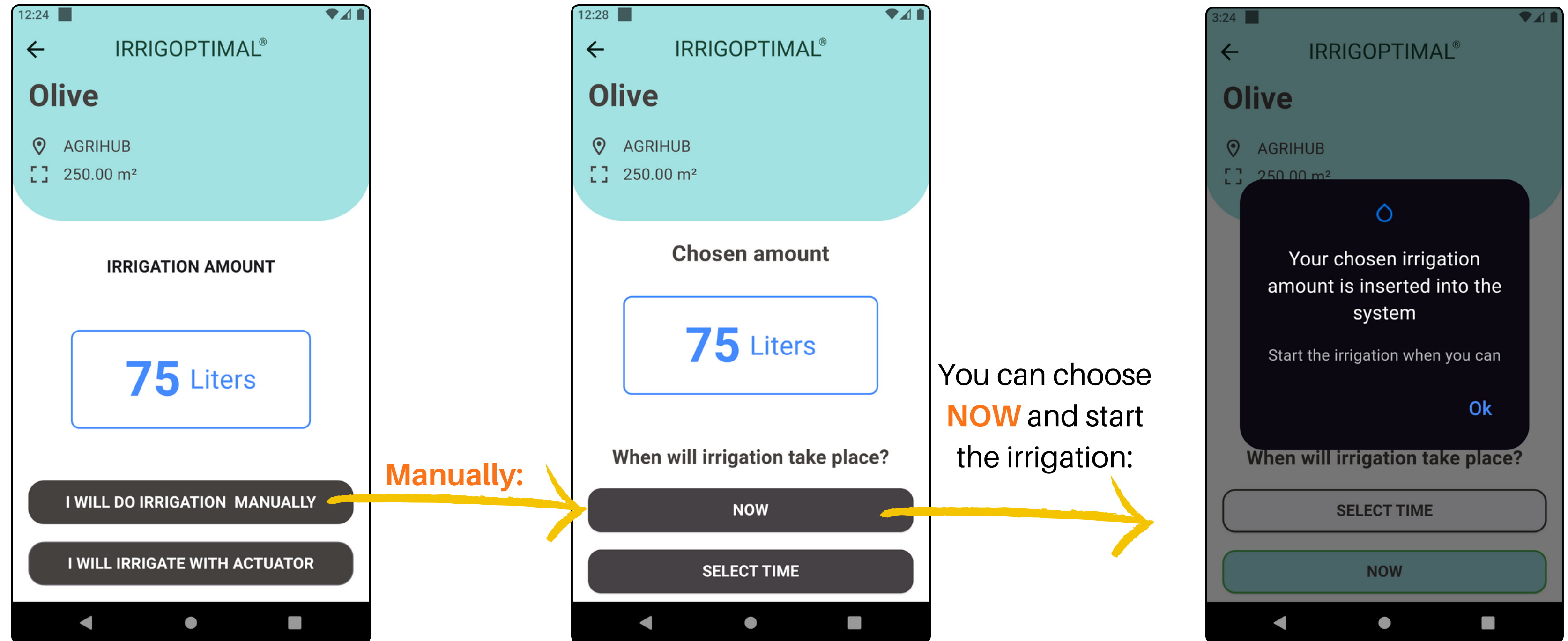
PREDICTED IRRIGATION: 'NO' PROCESS

In the case you want a 'DIFFERENT AMOUNT':



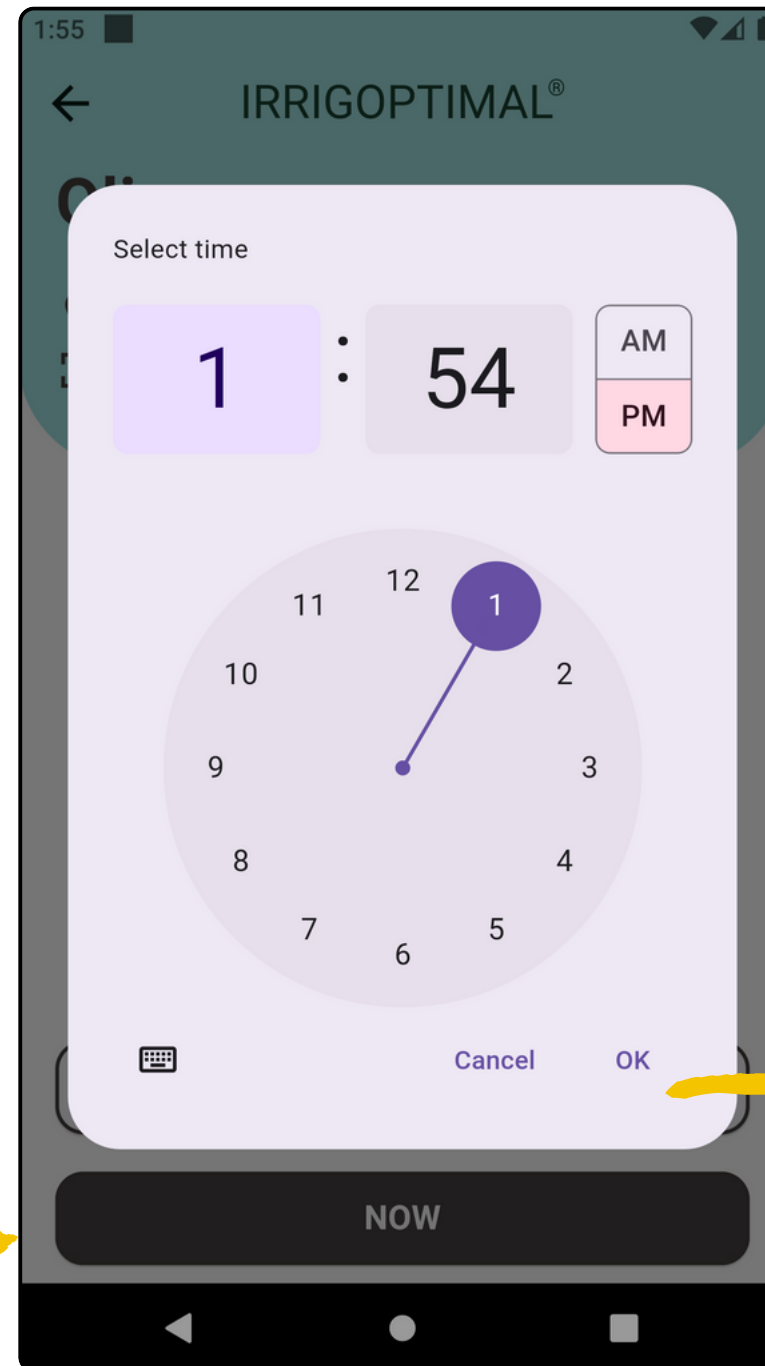
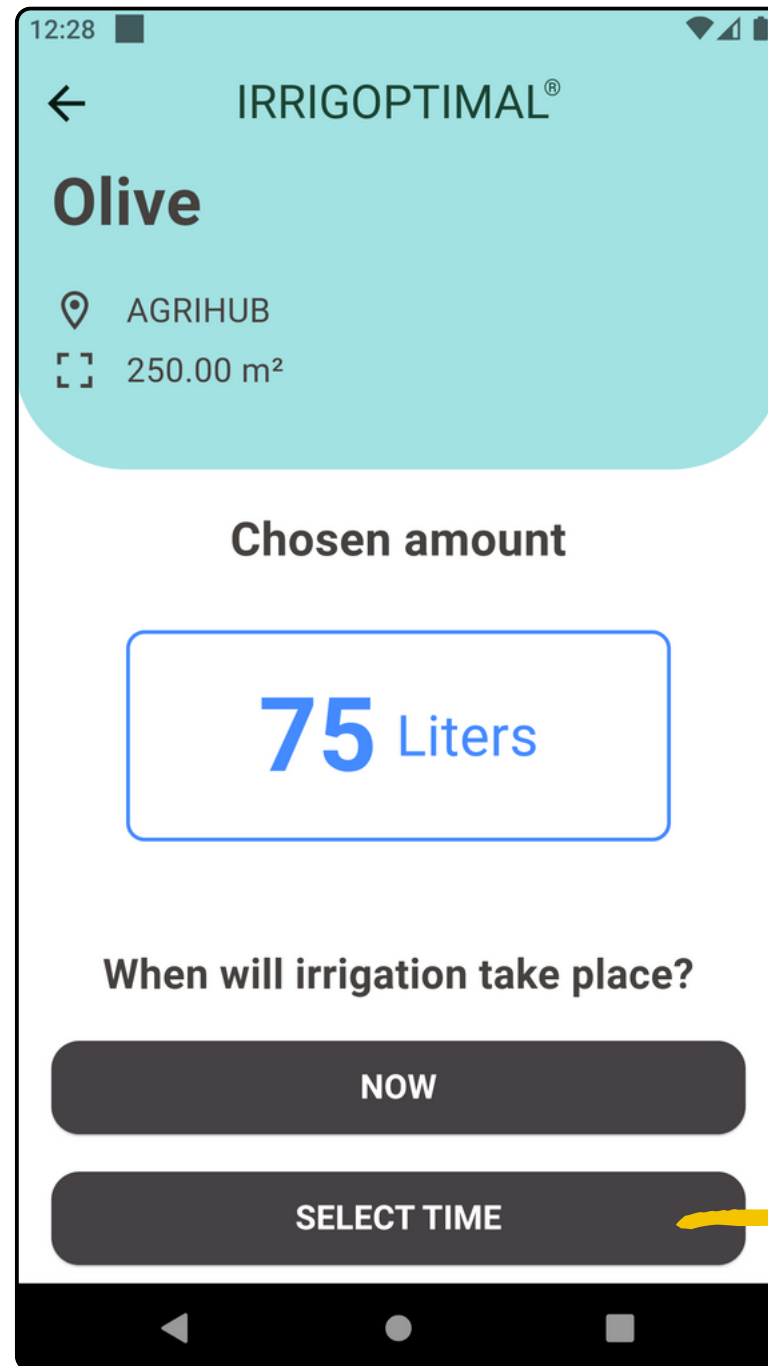
PREDICTED IRRIGATION: 'NO' PROCESS - Manually

Now, you can choose to irrigate - with the amount you have indicated - **Manually or with Actuators:**

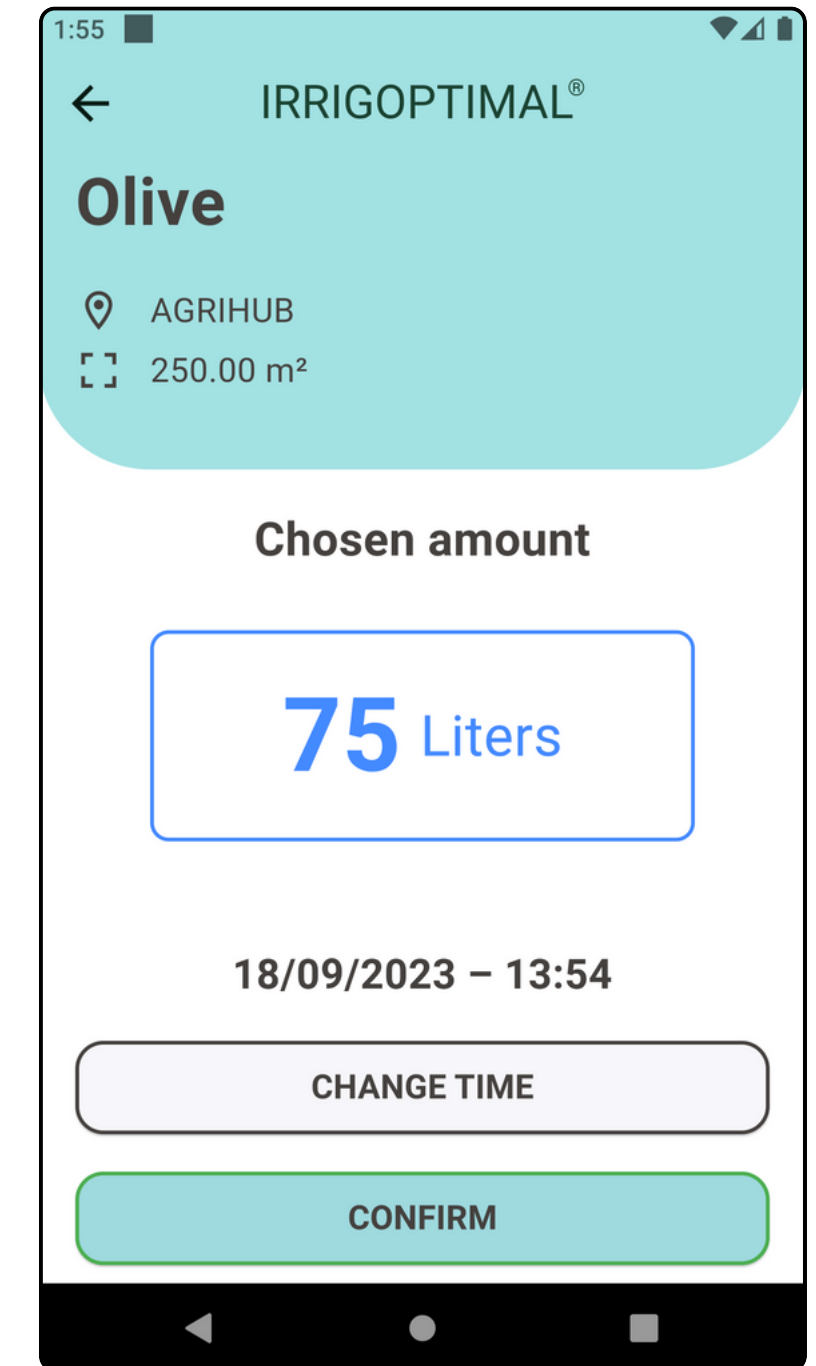


PREDICTED IRRIGATION: 'NO' PROCESS - Manually

If you choose the **Select TIME:**

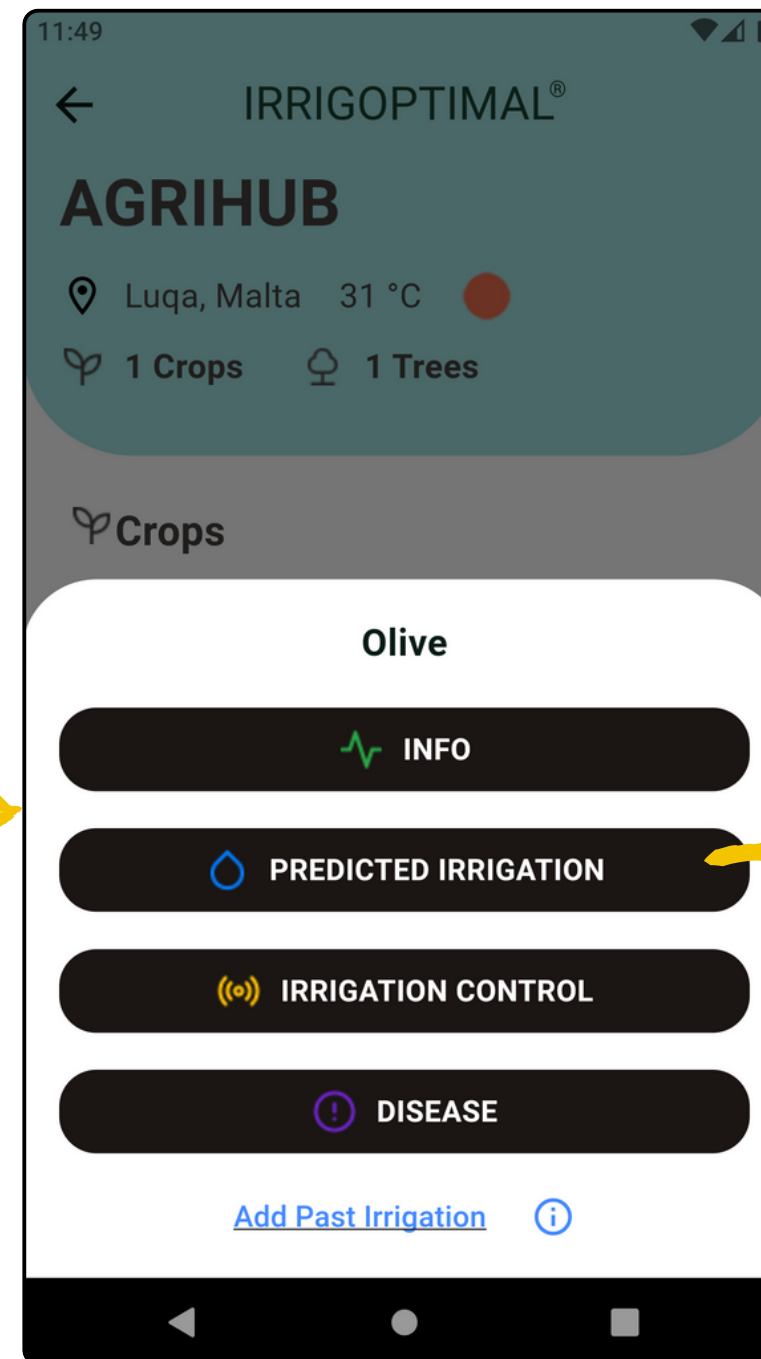
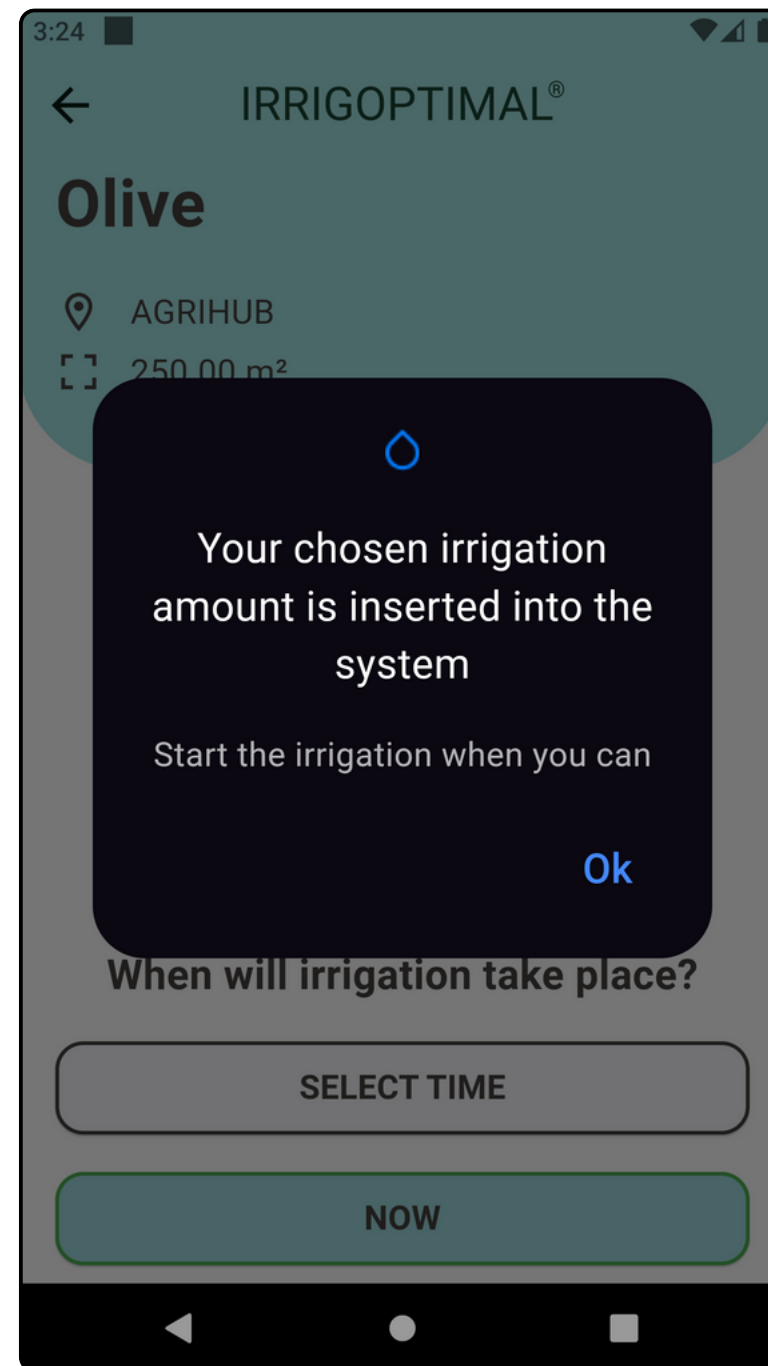


And 'Confirm'
the selected
time:

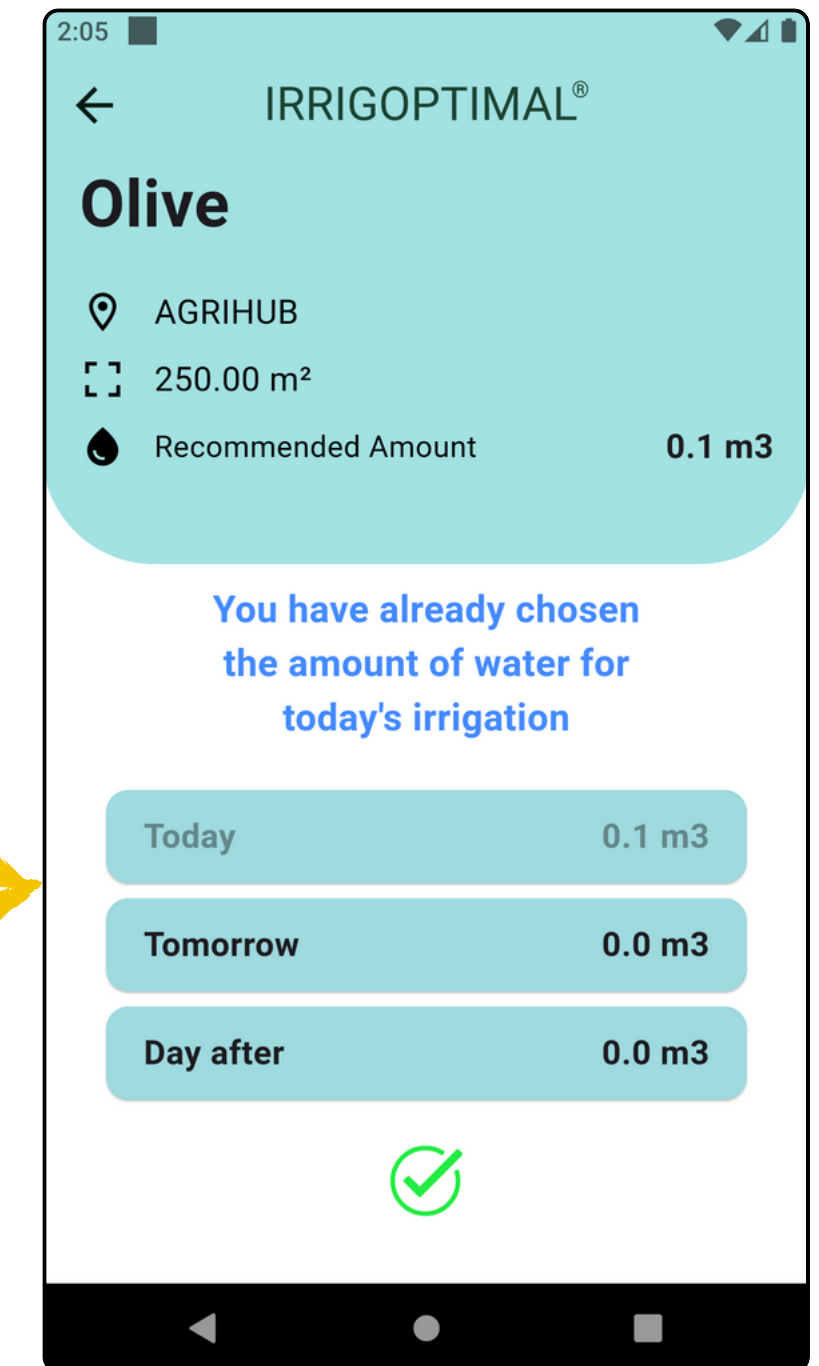


PREDICTED IRRIGATION: 'NO' PROCESS - Manually

If you come back to the PREDICTED IRRIGATION PAGE, you will find the end of the Manually NO PROCESS.

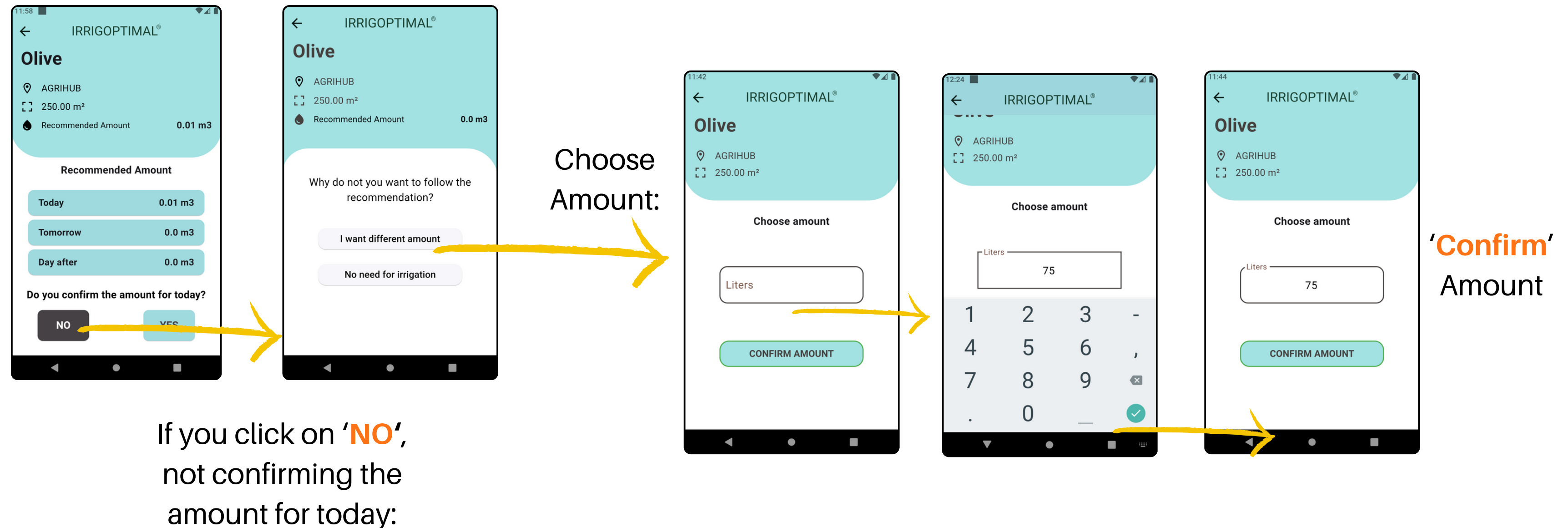


End of 'NO
PROCESS'
Manually.



PREDICTED IRRIGATION: 'NO' PROCESS - with Actuators

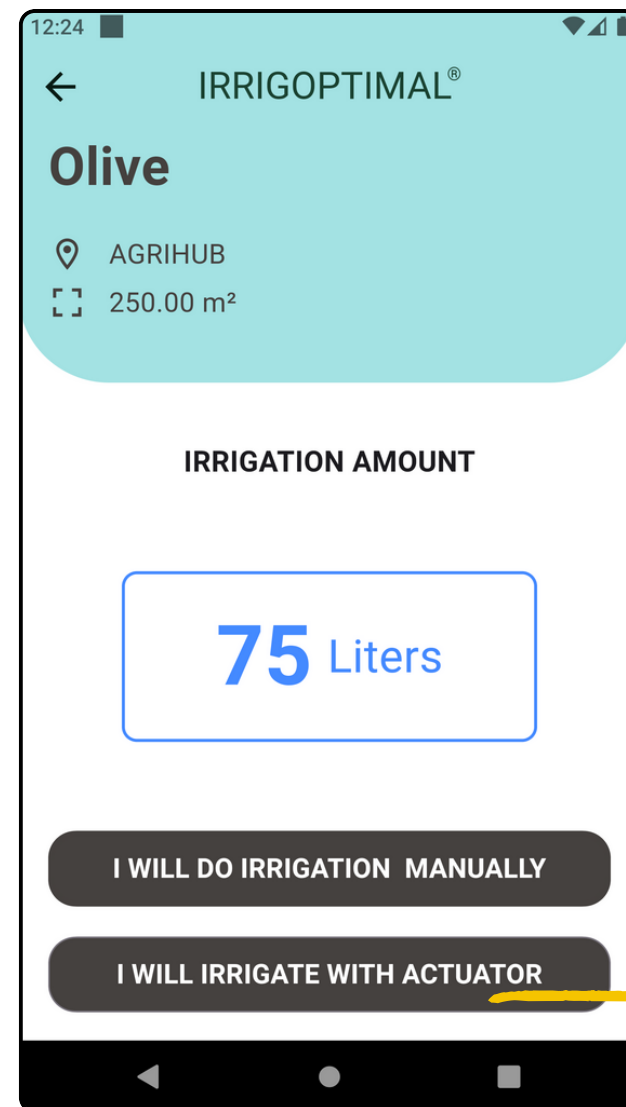
'NO' process With **ACTUATORS**: In the case you want a '**DIFFERENT AMOUNT**'



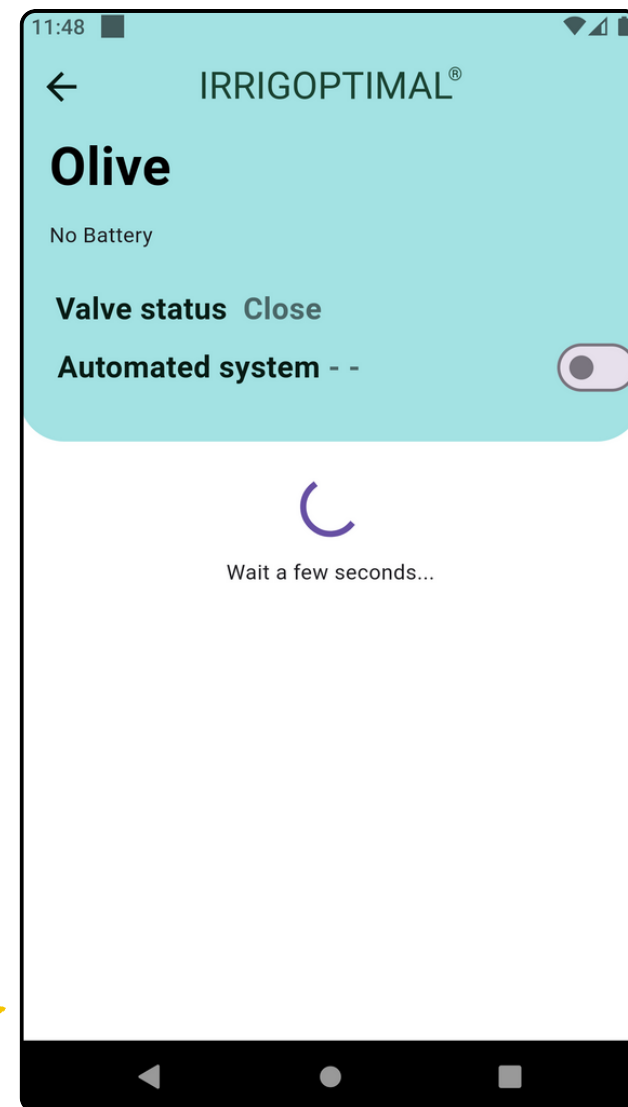
Now, you can choose to irrigate - with the amount you have indicated - **Manually or with Actuators:**

PREDICTED IRRIGATION: 'NO' PROCESS - with Actuators

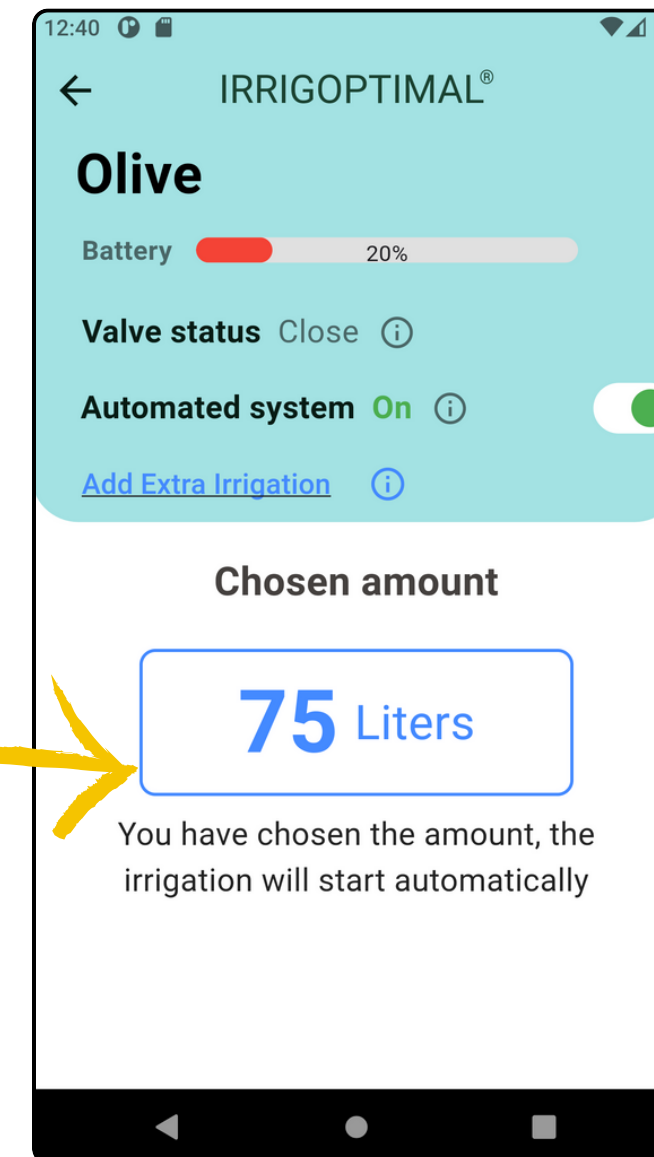
'NO' process with **ACTUATORS**: In the case you want a 'DIFFERENT AMOUNT'



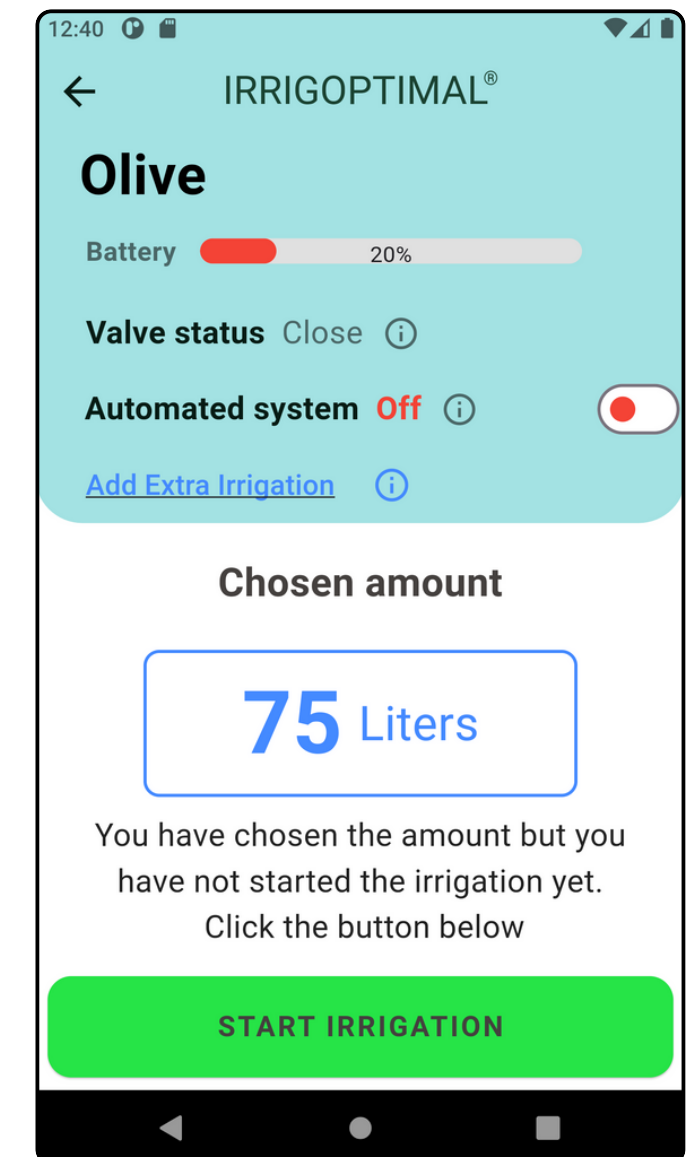
With
Actuators:



This screen if
'Automated
system' is
'On'.

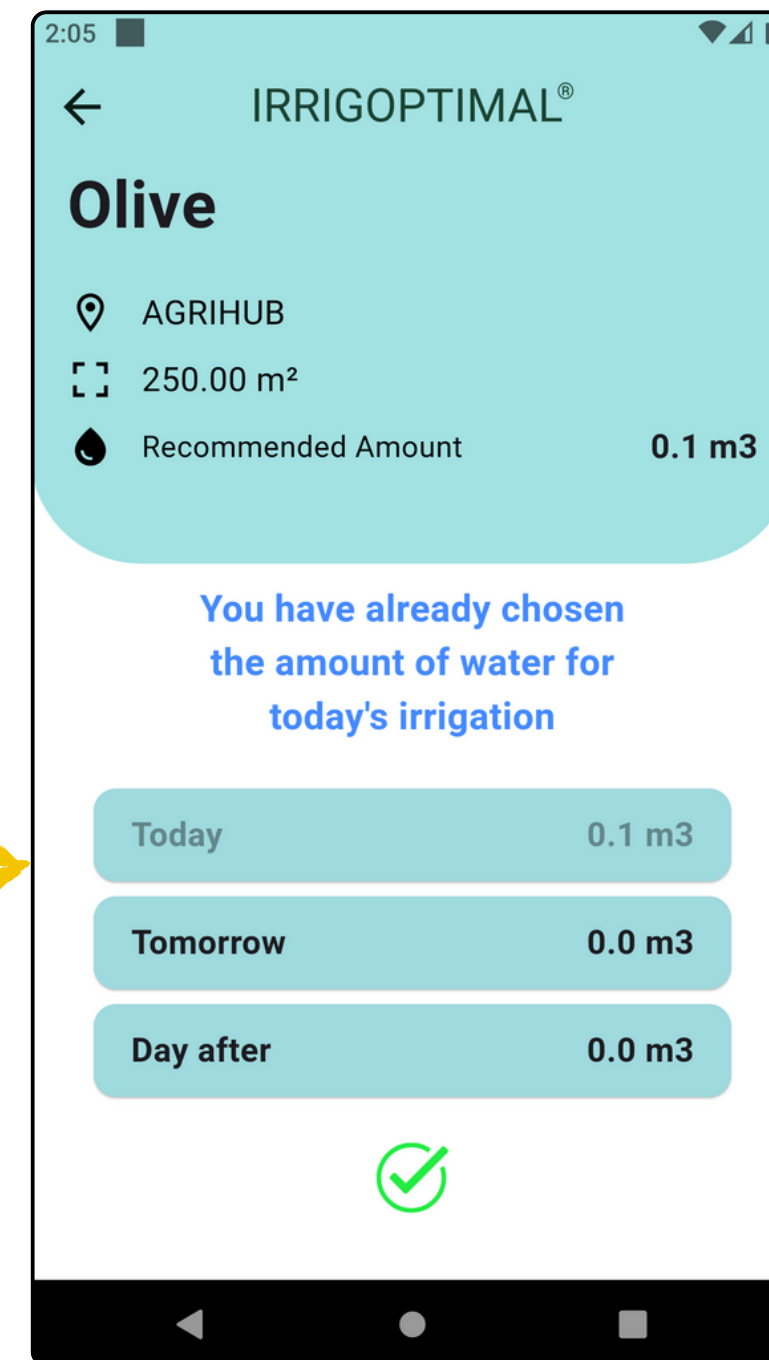
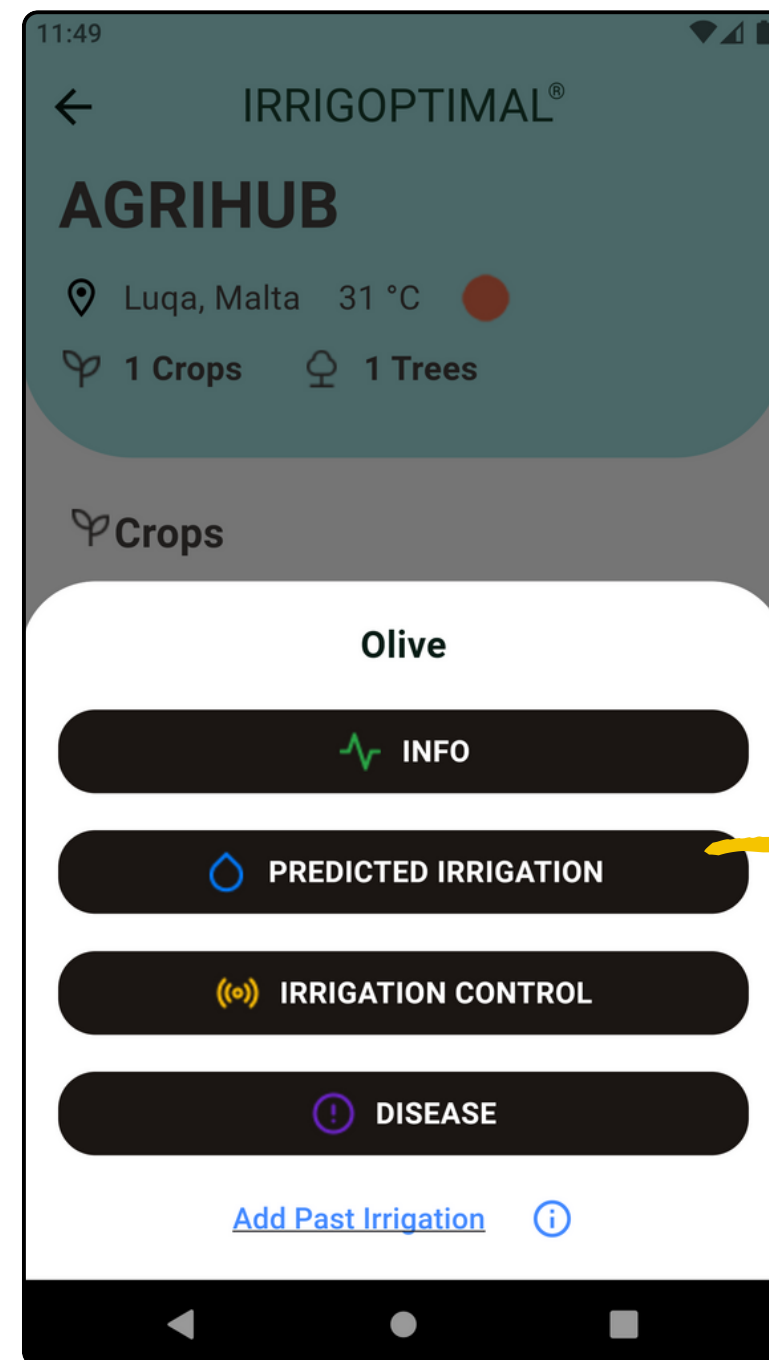


This screen if
'Automated
system' is
'OFF'.



PREDICTED IRRIGATION: 'NO' PROCESS - with Actuators

If you come back to the PREDICTED IRRIGATION PAGE, you will find the end of the **ACTUATORS NO PROCESS**.

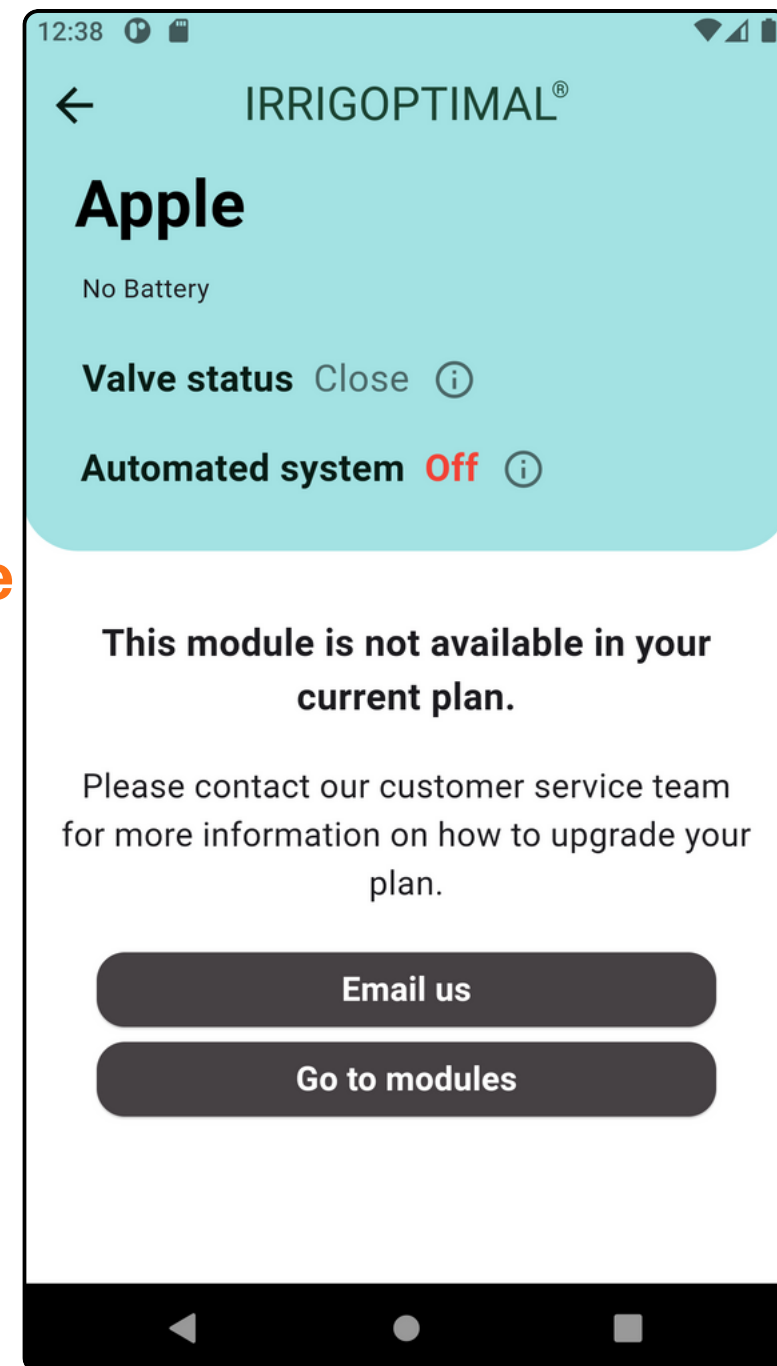


End of 'NO PROCESS'
With Actuators.

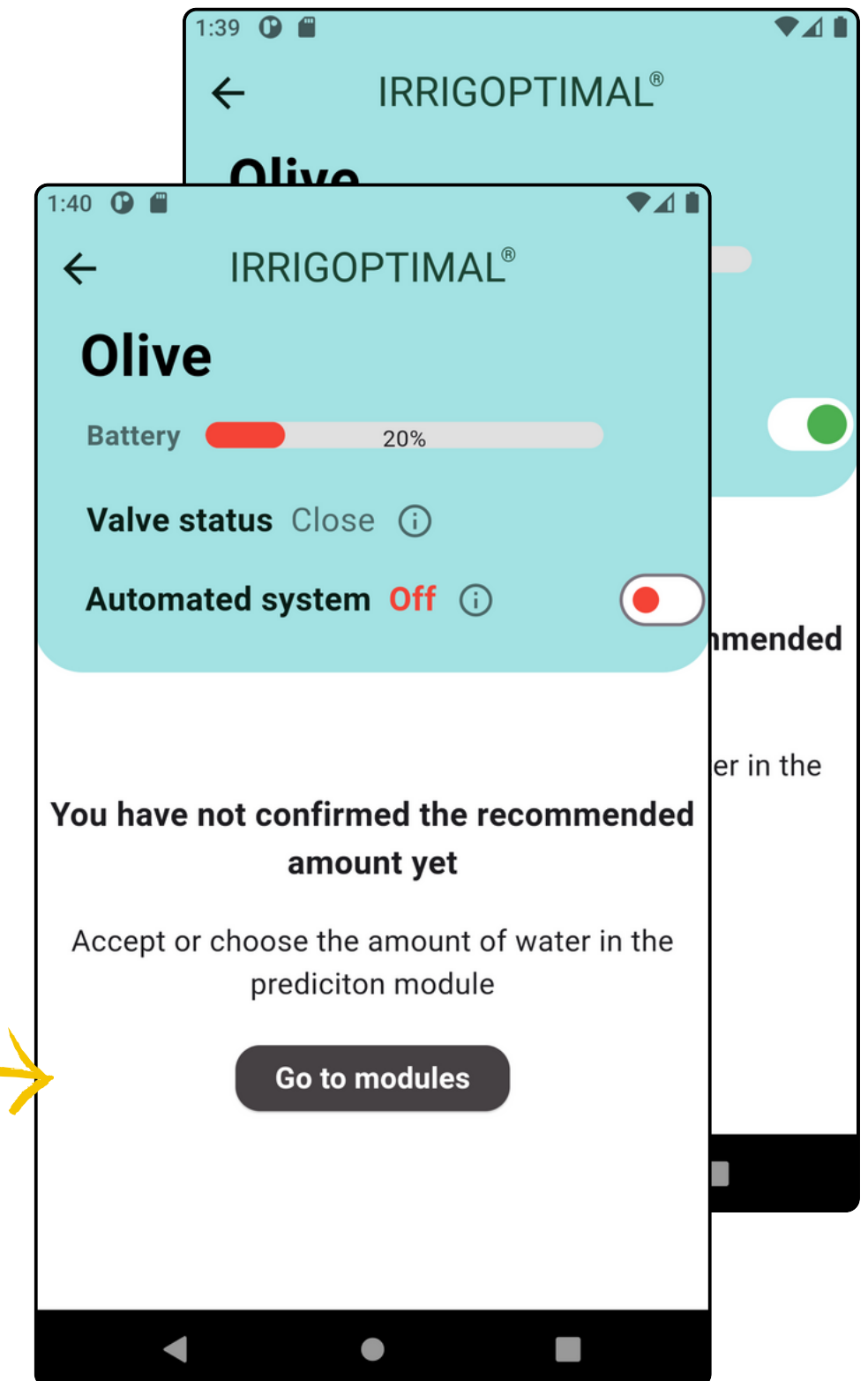
ACCESS TO MODULES: IRRIGATION CONTROL

If you have or not 'Automatic irrigation system'

This is the screen where you land by clicking on the 'Irrigation Control' module if you **do not have** the 'Automatic irrigation system'.

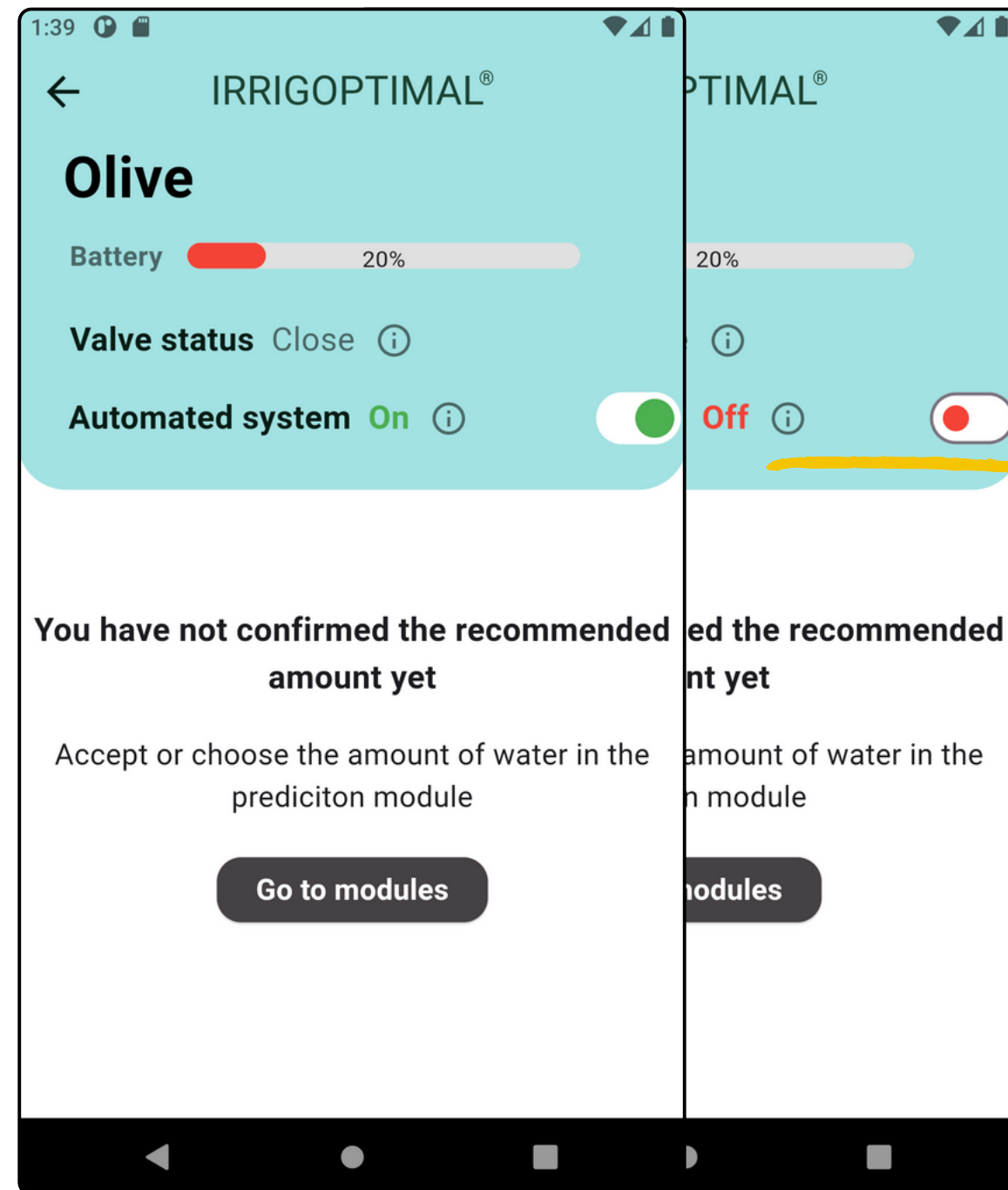


This is the screen where you land by clicking on the 'Irrigation Control' module when you **have** the 'Automatic irrigation system'.



ACCESS TO MODULES: **IRRIGATION CONTROL**

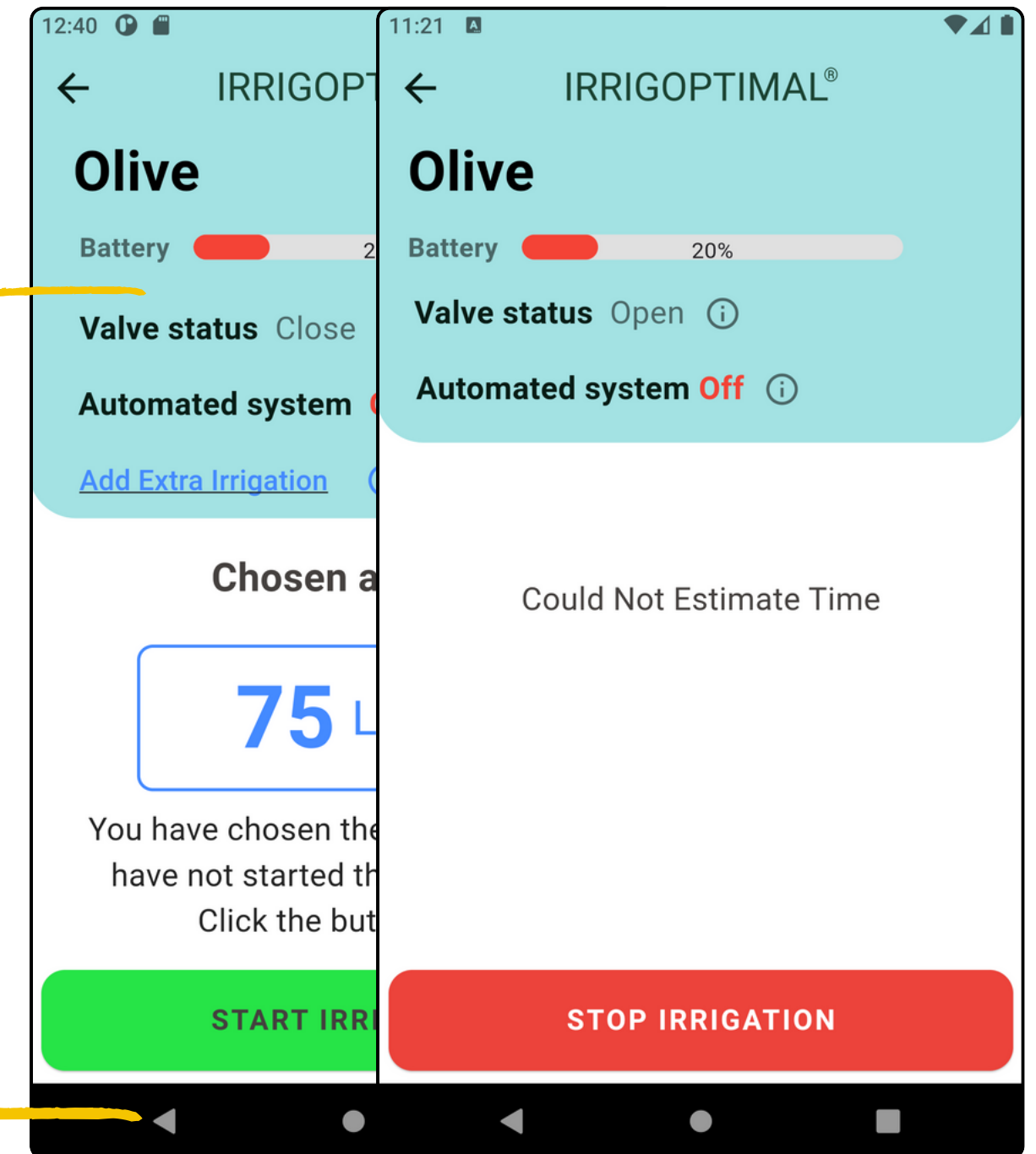
If you **have** 'Automatic irrigation system' from this module you can:



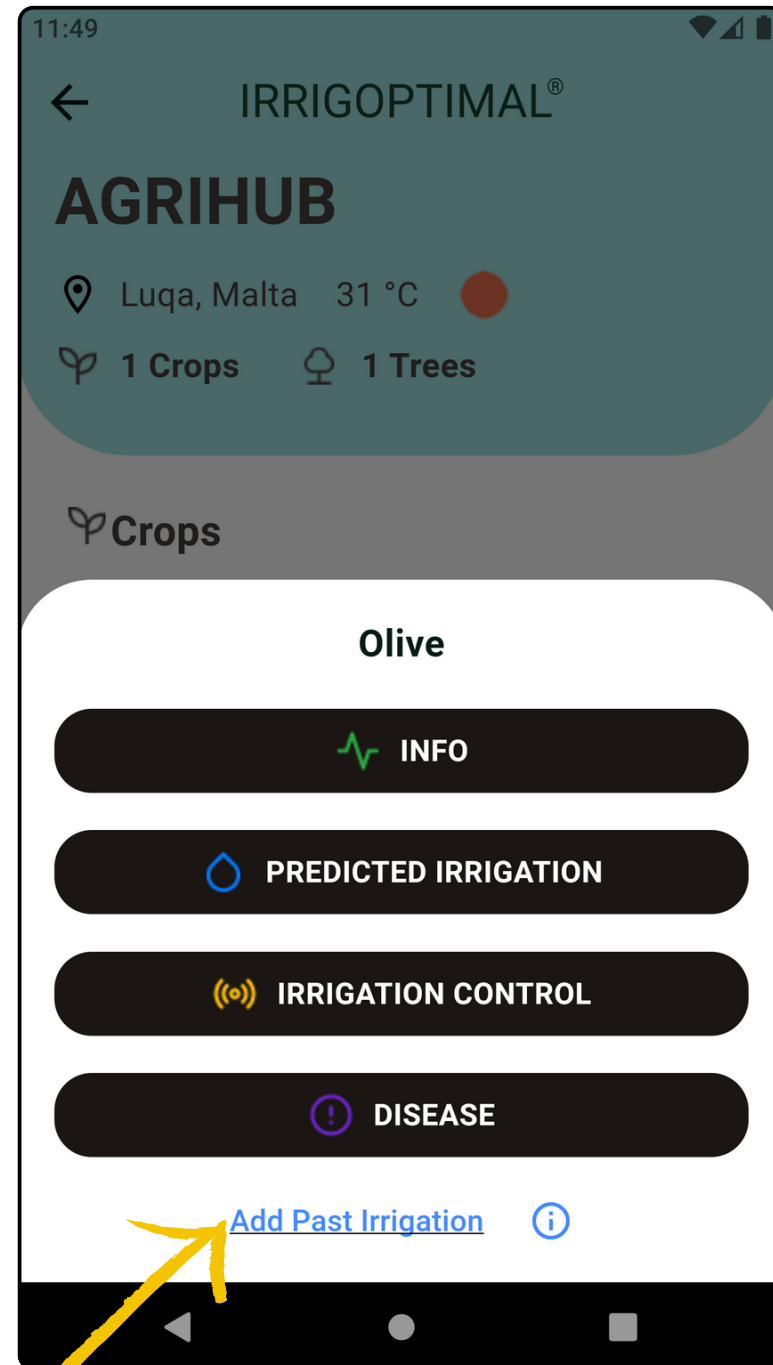
Check 'Battery'
and 'Valve status'

Turn the 'Automatic
irrigation system' **On**
and **Off**

'**START**' and
'**STOP**'
irrigation



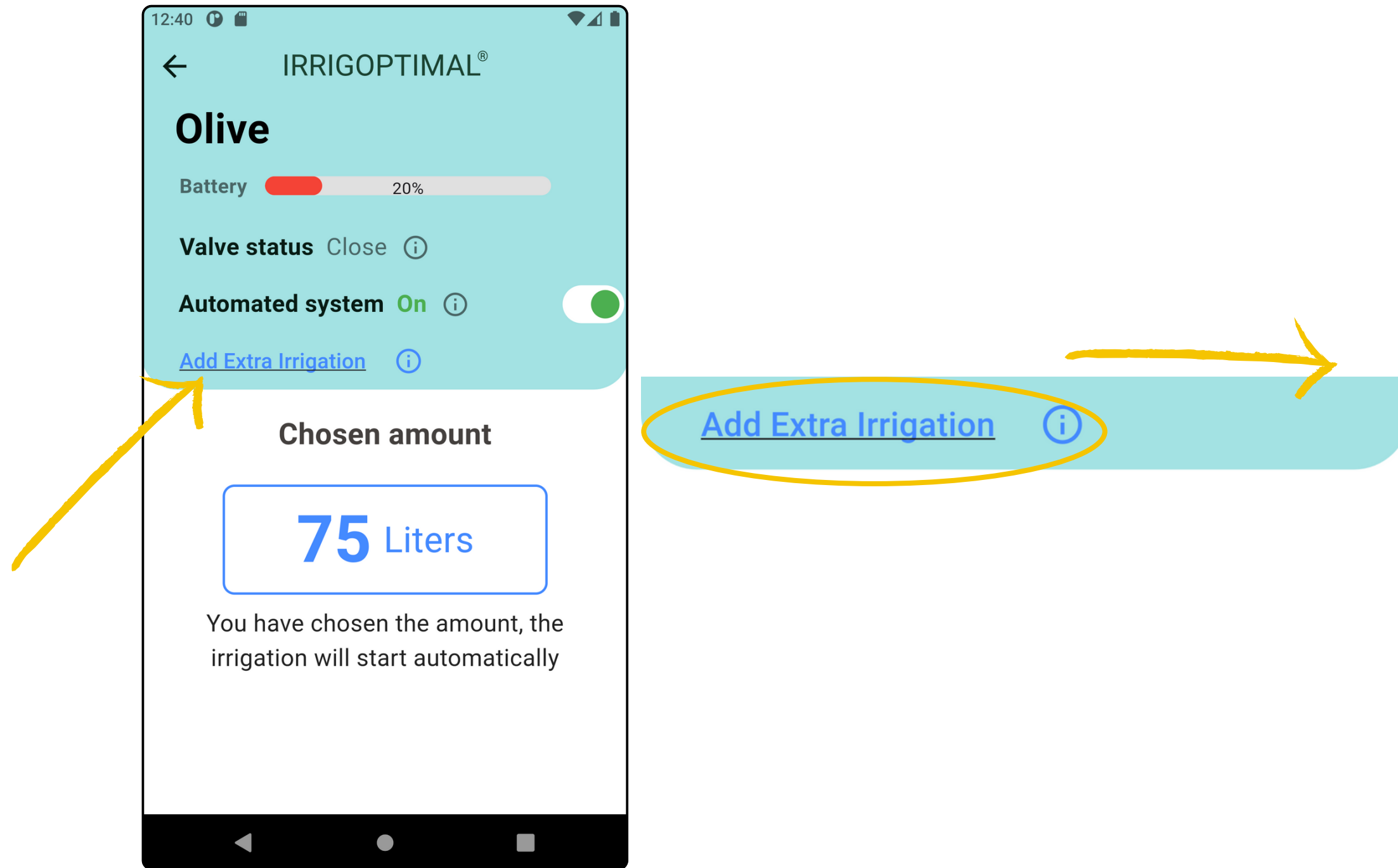
ADD 'PAST' OR 'EXTRA' IRRIGATION BUTTON



The "Add past irrigation" button allows you to insert and record a past irrigation in the system, which occurred outside the IRRIGOPTIMAL® system.

This means that if you irrigate by forgetfulness or for reasons of force majeure outside of IRRIGOPTIMAL®, the system allows you to enter this quantity and record it in the system, to ensure that the water needs of your land are always calculated precisely and accurate.

ADD 'PAST' OR 'EXTRA' IRRIGATION BUTTON



The "Add Extra irrigation" button allows you to carry out or program additional irrigation through the system, i.e. "extra", "in addition".

This means that if you want or need to water several times in the same day, you can enter this quantity and record it in the system, to ensure that the water needs of your field are always calculated precisely and accurately.

Support Page & Privacy Policy and Cookies Page

Support Page

4:15

← IRRIGOPTIMAL®

Do you need help? Contact us

e-mail: support@irrigoptimal.com
Mon - Fri 9am - 5pm

Our technical skilled staff is here to support you for any eventuality, intervening quickly and effectively to resolve any kind of breakdown/problem.



Technical Assistance

- Support and free software updates for the entire duration of the service
- Support via phone, email and Whatsapp



Technological Support

◀ ● ■



11:15

← IRRIGOPTIMAL®

Technological Support

- System installation
- Micro-climatic control unit assistance for the entire duration of the service

Shall you need technological support? Just ask to our consultant to provide technological assistance as well; we will send one of our experts to assist you during all the installation phase of the IRRIGOPTIMAL system.

Send email



Staff Training (optional)

- Staff training on installation and maintenance of the system
- Personalized training based on your goals

◀ ● ■

Privacy Policy and Cookies

4:15

← IRRIGOPTIMAL®

Page

PRIVACY POLICY

This Privacy Policy applies solely to all Data collected by IRRIGOPTIMAL and applies when You use the Website, the mobile application, and all online products and services linked to this Privacy Policy. This Privacy Policy is subject to updates that will be posted on the Website on a timely basis. IRRIGOPTIMAL is designed to allow you to remotely program and control your devices.

Data Controller

The Data Controller of the data collected from this site is Wes Trade Ltd, located in Ta'Xbiex (Malta), The Penthouse Carolina Court Giuseppe Cali street XBX1425 VAT No. MT21888809, Tax Code C65979 email: info@irrigoptimal.com

Personal data

Personal Data means any information relating to an identified or identifiable natural person (Data Subject). An identifiable natural person is one who can be identified, directly or indirectly, with particular reference to an identifier such as a name, an identification number, location data, an online identifier, one or more characteristic elements of his identity physics.

◀ ● ■



THANK YOU FOR YOUR ATTENTION!



Alessio Bucaioni

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 www.westradeltd.com

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Seguici su



IRRIGOPTIMAL MAKES
AGRICULTURE SMART

