



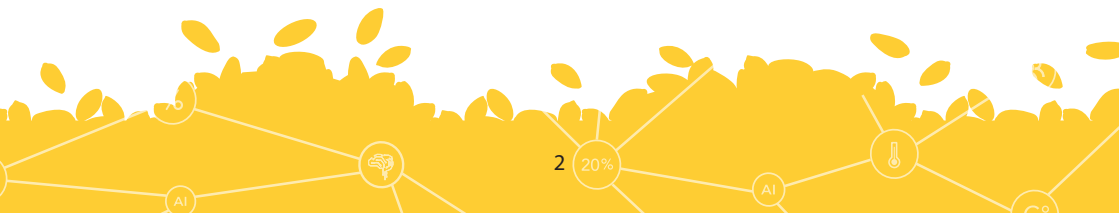
# Wile Connect App

Wile Connect mobile app user's manual

Mobile app  
connectivity  
via QR code



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# Introduction

The Wile Connect mobile app is a tool which allows you to store, analyse, share and print measurement results from your compatible Wile devices.

The app stores your measurement results on a cloud service and as such, the app requires an internet connection to work. You can access your data from multiple devices at the same time by logging in on your account. Switching phones or re-installing the app will not delete your data. We are releasing the Wile Connect mobile app early to gather feedback for further development. Some features are not yet quite polished, and instructions within the app are not fully implemented yet. This meaning of this document is to share instructions and tips on using the early versions of the app.

The app is under active development and because of this, some aspects of this manual may become outdated quickly.

Be sure to read the latest version of the manual and to keep your app updated.

## About QR codes

The app makes use of QR codes to identify your Wile devices and to transfer measurement results. This is one way communication from the Wile meter to the app.

We use two types of QR codes:

1. pairing QR codes are used to add devices to the app, and
2. result QR codes are used to transfer measurement results from meters to the app.

To start using e.g. a new Wile 200 grain moisture meter with Wile Connect, you will first need to add the meter to the app by scanning its pairing QR code (the app uses your mobile device's camera for this). This only needs to be done once. Then, upon each measurement whose result you wish to store in the app database, you will scan QR code containing the results off the meter's LCD screen. To avoid duplicate readings in the database, a single measurement result can only be added to the app once. If you attempt to add the same result again, the app will refuse to do it.

Several people each with their own accounts can add the same meter device. They will not be able to access each other's measurement results.

If the meter setup changes (e.g. if you change settings like measurement units or if the meter firmware is updated), the pairing QR code may need to be scanned again to update meter details. The app will notify you on this if you attempt to scan a result QR code after such change. To re-scan the pairing QR code, simply go through the "Add Device" procedure again, and the meter configuration parameters will be updated. Your measurement results will remain.





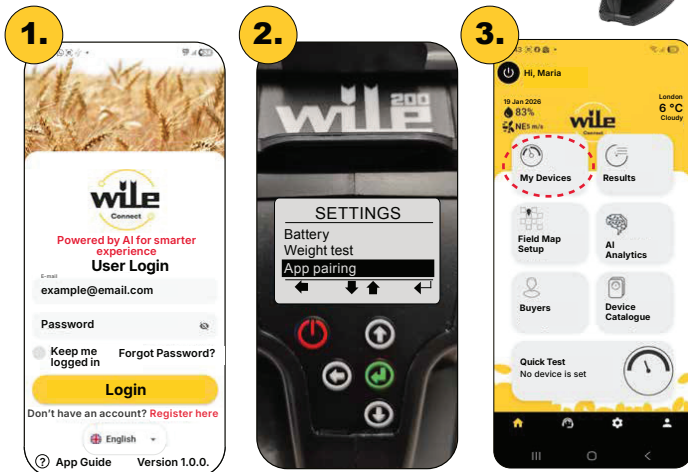
## App Features



**Download the App:**

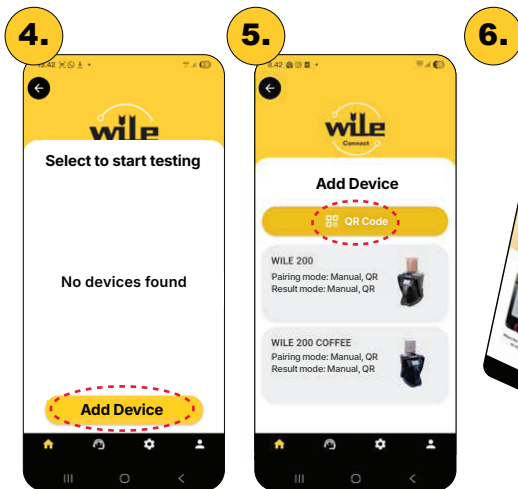


# 1. Pairing the meter to the app via QR code



1. Download the app, choose the language, register and sign in.
2. On the meter, select "App pairing" (Under Settings). The pairing QR code will appear on the screen.
3. In the App, tap "My Devices".

**YOUR METER IS NOW PAIRED.**



4. Press "Add Device"
5. Press "QR code" button (or select device from the list > select QR-code or Manual)
6. Scan the pairing QR-code on the meter. The connected meter can be found under "My Devices"

## 2. Scanning the measurement result

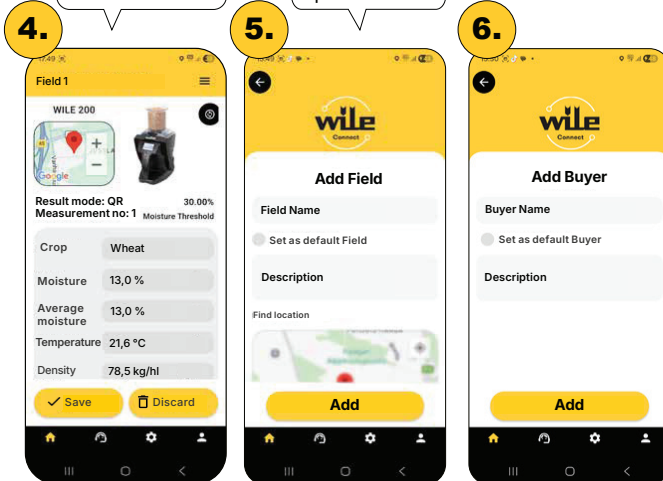
Do moisture measurement as usual and wait for the result to appear on the screen.



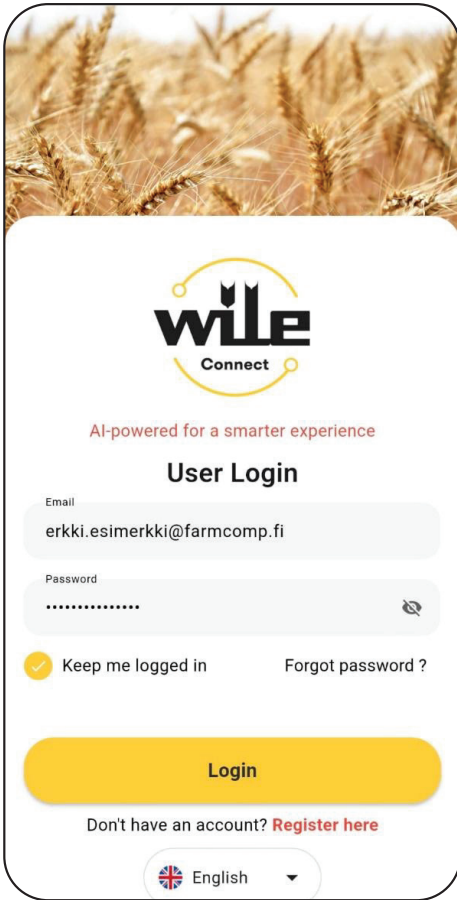
1. Press the **left arrow key** on the meter. The result QR code will appear on the screen.
2. From the app select **"Quick test"** (or **"My Devices"** > select **QR-code** or **Manual**)
3. Scan the result QR-code.

See all results in **"Results"** tab

Next steps, in optional order:



4. The result appears on the screen. You can:
  - Add comments
  - Take a photo of the sample.
  - Insert batch number
  - Select a buyer
5. Set the desired fields from the **"Field Map Setup"** button.
6. Add your buyers from **"Buyes"**



## Logging in

The Wile Connect mobile app is available at no cost, but you need a user account to use it. If you already have an account, type your email address and password on the login screen and then press “Log in”.

If you do not yet have an account, you may create one by clicking the “Register here” link at the bottom of the screen.

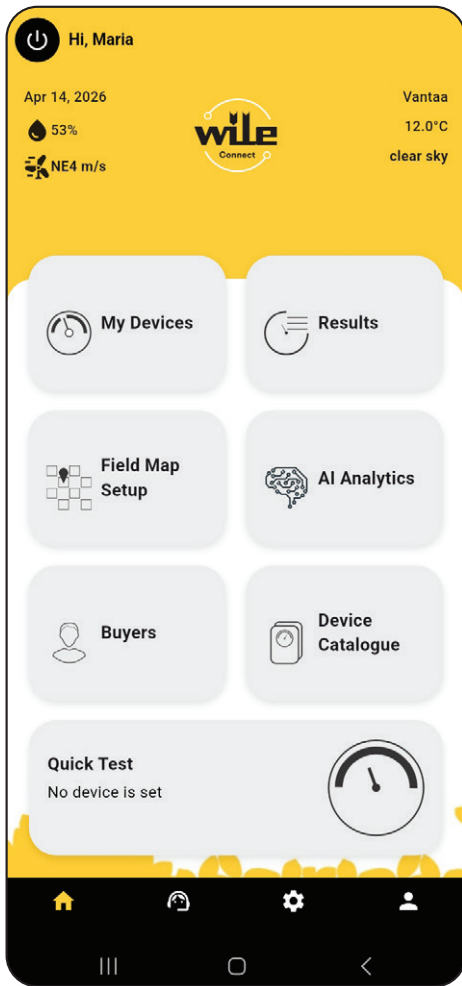
If you have an account but you have forgotten your password, enter your email address and click the “Forgot password?” link to reset your password.

Upon registration or password reset, the app will send an activation code to your email.

It should arrive quickly, but please be sure to check your junk email (spam) folder if it doesn't.

The app will ask for the following device permissions:

- Location (to position results and field setups automatically)
- Camera (to scan QR codes)



## Home screen

The home screen contains current weather at your location, seven large buttons in the middle, and four small buttons at the bottom.

## Log off

By pressing the log off button your connection to the Wile Connect cloud server is disconnected. Once logged off, you will need to log back in to continue using the app.

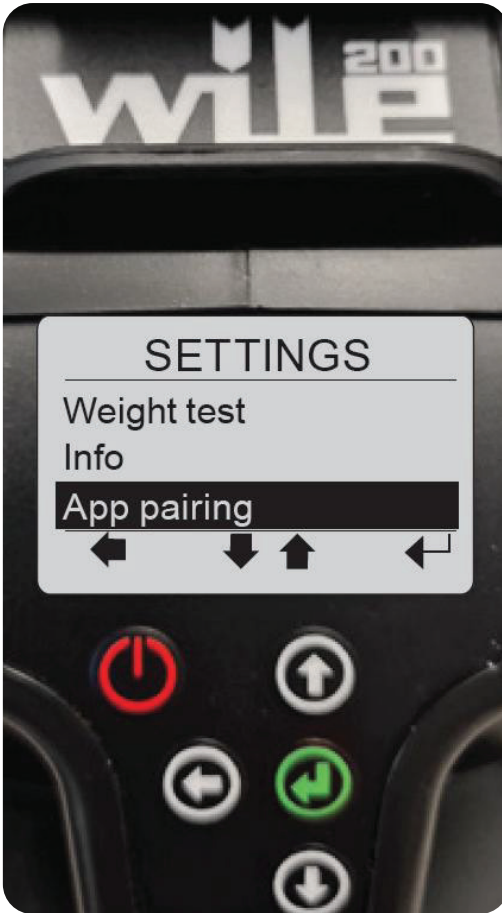
## My Devices

If you already have one or more devices added to the app, this screen shows a list of your devices.

On this screen you can

- add and remove devices
- view and modify device details
- transfer a measurement result from your Wile meter to the app





## Add Device

To add a new meter device to the app, press the “Add Device” button. Devices are added to the app using a QR code.

The app also allows manual pairing without QR codes, but this feature is not fully functional yet.

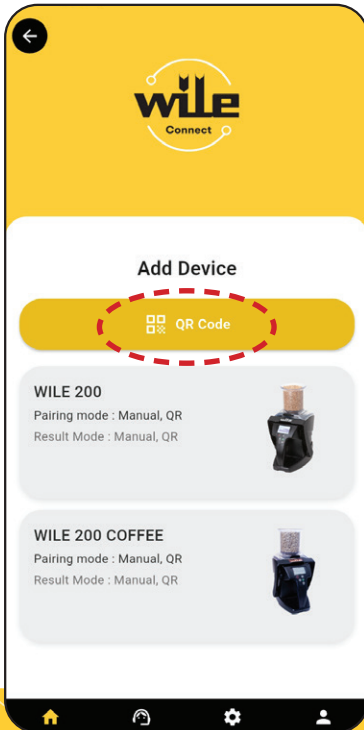
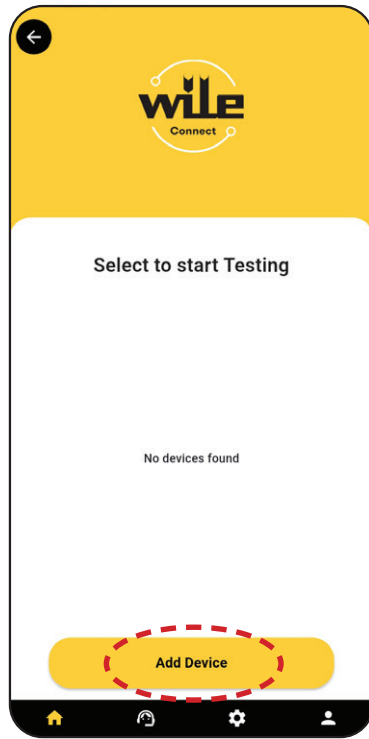
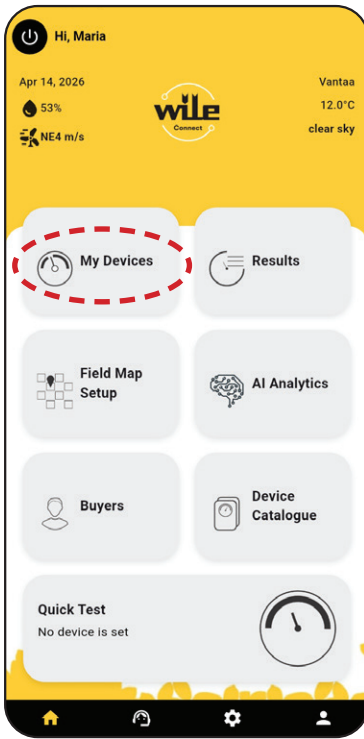
### Adding (pairing) meters with QR Codes

To add a meter using a QR code, you must locate its pairing QR code. On supported meters, the pairing QR code can be found within the meter’s user interface, and it will be drawn on the meter’s LCD screen. On a new Wile 200, it can be found in the “SETTINGS” menu, under “App pairing”.

If the meter device does not have the capability to draw QR codes, a pairing QR code may have been included on a printed sticker on the device, on the user’s manual or on other documentation with the delivery.

For example, to pair a new Wile 200 meter with the app, you should first power your Wile 200 on and navigate to the SETTINGS menu (using the up & down arrow buttons and enter), and then navigate to “App pairing”. The meter will draw a pairing QR code on its LCD screen.





Then, on the Wile Connect app Home screen, click “My Devices”, then “Add Device” and then “QR Code”.



If the app does not have permissions to use your mobile device's camera, you will be prompted for that. Once permission to use the camera is granted, the app will show the camera image at the middle of the screen. Point the camera at the QR code on the Wile 200 meter's screen.

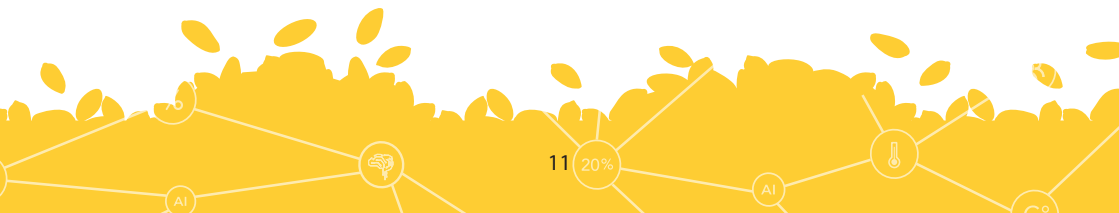
Once successfully scanned, the app will display various device parameters like its serial number. In the bottom, it will ask you to enter a "Device Label". This is a short label which the app will display along with the device model on various screens, e.g. "Wile 200 (label)".

This is most useful if you use e.g. more than one Wile 200 and need to keep them separate. Note: the device label can be changed later in My Devices screen by clicking the pencil icon for Device Details.

Finally, press "Add" at the bottom of the screen to add the device, and you're all set.

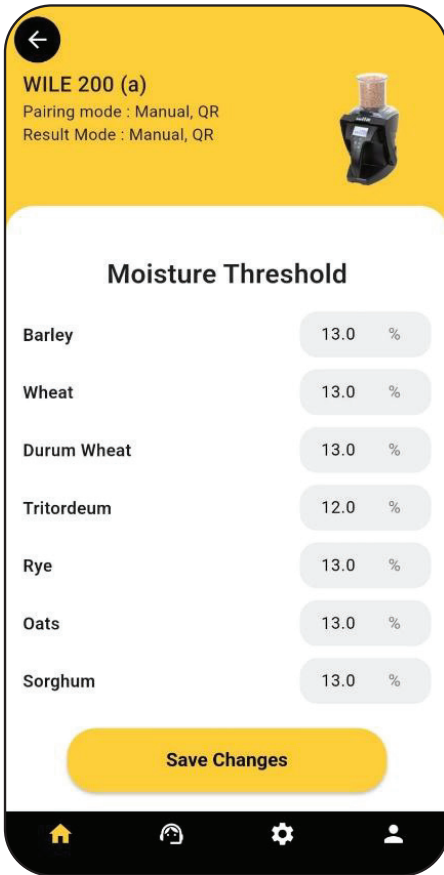
## Manual pairing

Not fully functional yet.



# Device Details

The Device Details screen can be accessed by pressing the pencil icon next to your device on the My Devices screen. This screen contains some information about your device, like its serial number and measurement units, but also some settings you can adjust:



## Device Label

The Device Label is a short label which the app will display along with the device model on various screens, e.g. "Wile 200 (label)". This is most useful if you have e.g. more than one Wile 200 meter and need to keep them separate. The label is entered when adding a new device, but you can change the label here.

## Moisture Threshold

The app allows you to set a high moisture threshold (limit) value separately for each grain and each moisture meter device. You can adjust these thresholds on the Moisture Threshold screen which may be accessed at the bottom of the Device Details screen. Whenever a moisture result is above a threshold value, the result will be marked on the result screens so that it draws your attention. Also, moisture graphs include this threshold as a line so that you can easily compare your results to the threshold.

Note: the app is pre-set with default moisture threshold values that are meant to be somewhat close to typical storage moisture targets for each type of grain, but your requirements may be different. Please understand that the pre-set thresholds do not represent official limits for any purpose and that they are not meant as a recommendation for farming or business decisions, nor are they meant to include or indicate any necessary safety margin for potential inaccuracy of measurement results or your sampling practices.

## Remove device

To remove the device from the app, click the rubbish bin icon on the Device Details screen.



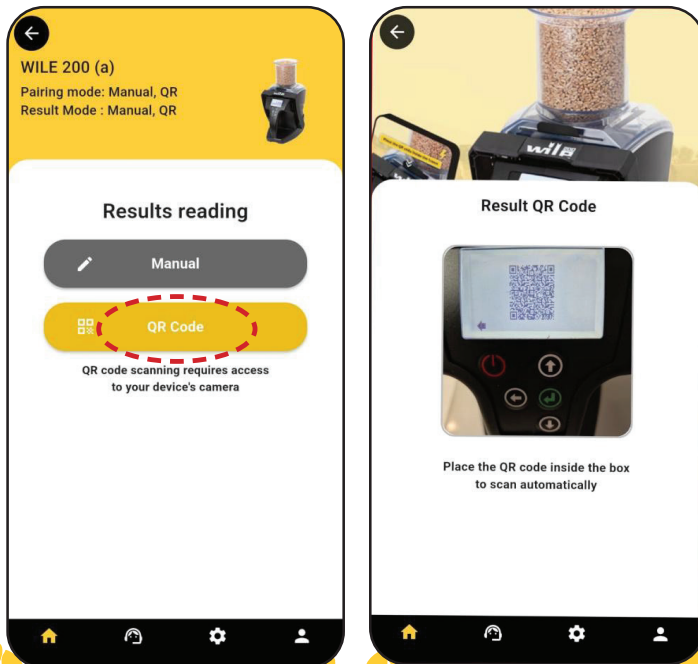
# Adding measurement results

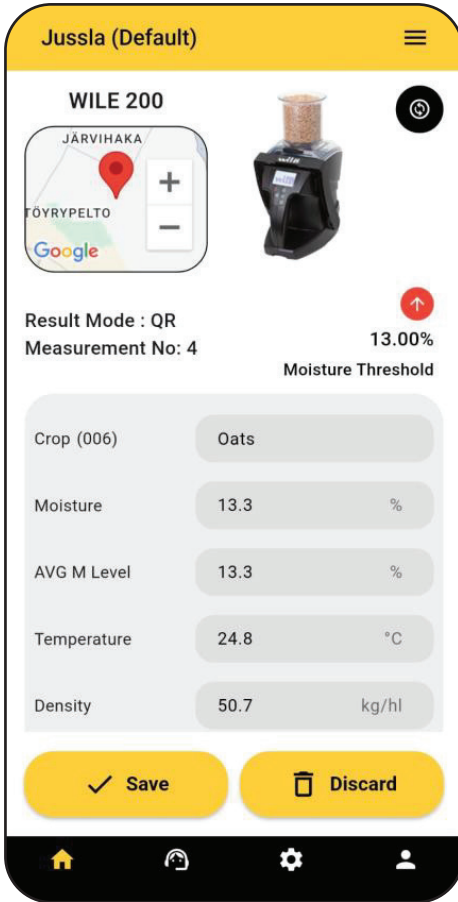
Click on one of your devices on the “My Devices” screen to “start testing” i.e. to read measurement results from your Wile meter to the app. Results can be entered either by scanning them via QR codes drawn on the meter LCD screen, or manually.

To scan measurement results via a QR code, perform a measurement on your Wile meter normally. Then, on a Wile 200, when results are on display, press the left arrow button to have it draw a result QR code.



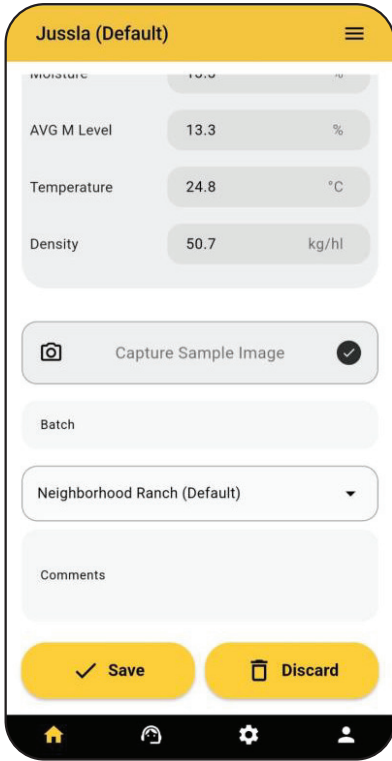
Then, point your camera at the QR code and on the “Results reading” screen, press the “QR Code” button. A camera view opens. Position the camera toward the QR code and the app will scan the QR code and the results will appear in the app.





The app assigns all results to a field (you can add and edit fields and set a default at the “Field Map Setup” screen accessible via Home screen). If the default is incorrect, you can select field setting by pressing the ≡ icon at the top of the results screen.

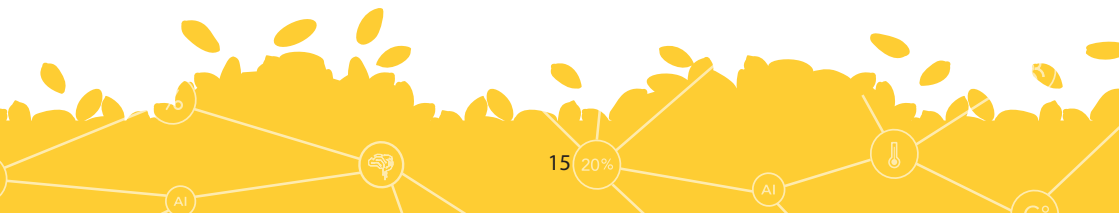
The red arrow next to the moisture threshold value indicates that this moisture reading 13.3 % was higher than the moisture threshold 13.0 % set for this crop (moisture thresholds can be adjusted at the “Device Details” screen under “My Devices” screen available via the Home screen).

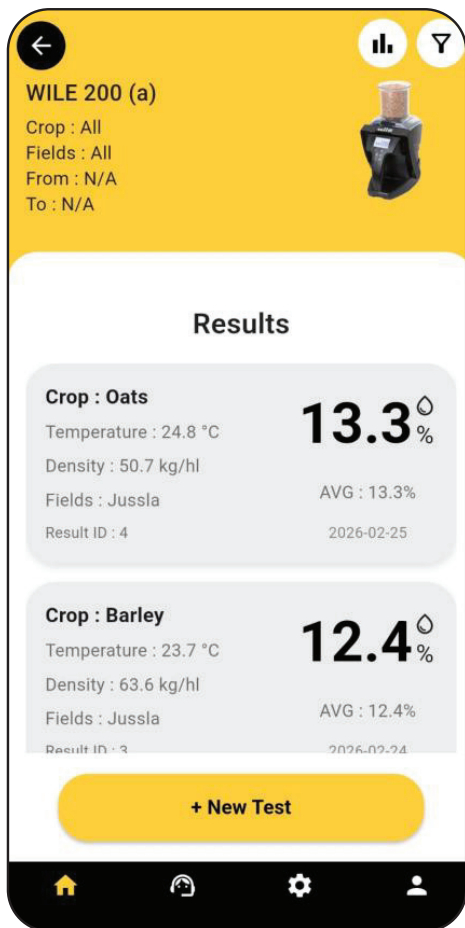


You can now choose to save the result to the app database, or you can scroll down and enter more details: you can take a photo of the sample, write a batch code if you choose, select a buyer (the list of buyers can be managed at the “Buyers” screen accessible from the Home screen, or write comments). To take a sample photo, click the checkmark icon and follow directions. Then press “Use image”.

Finally, press the “Save” button to store all this data.

Note: These additional fields are optional and you can add and modify them later via the Results screen.







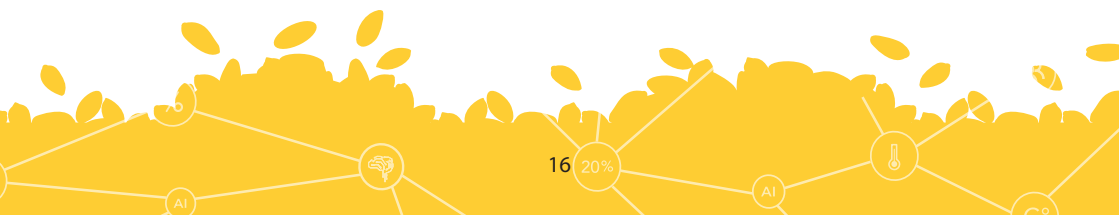
## Results

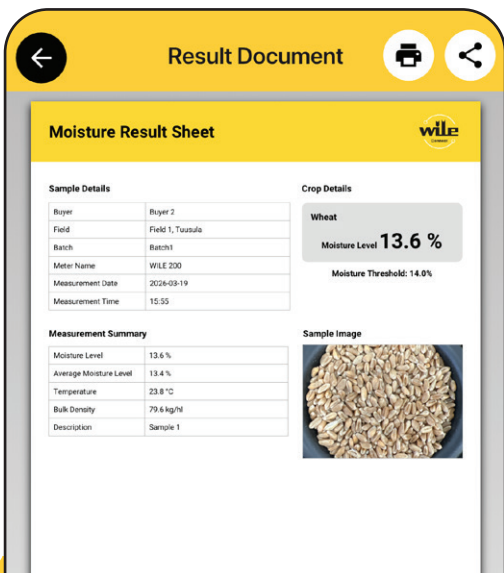
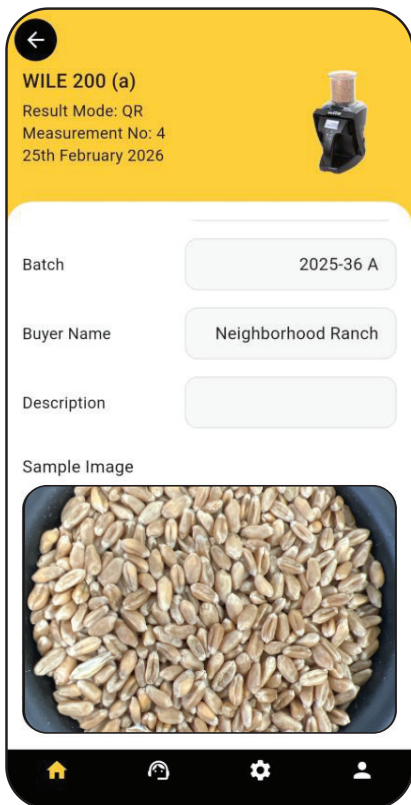
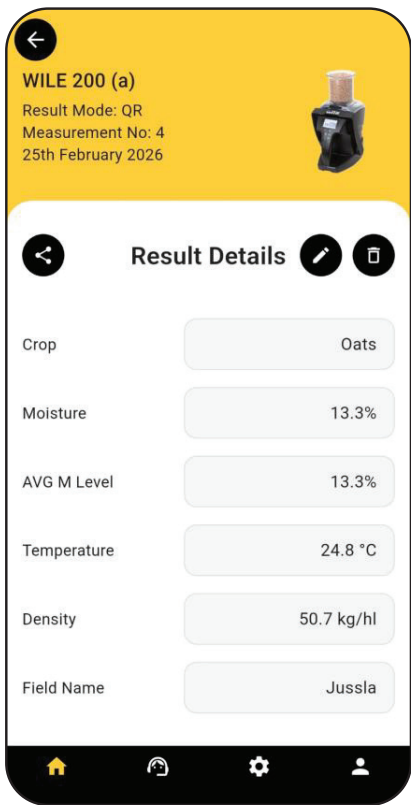
Your measurement results can be found on the results screen. Results are grouped by the meter they were measured with. The latest result is shown next to the meter details. To see all results, click on a device.


On the results screen for a device, you can


- Browse stored results (newest results are at the top)
- View, share and edit result details (click on a result)
- Draw graphs based on stored results (click the graph icon )
- Filter results based on date, crop or field (click the filter icon )
- Transfer a measurement result from your Wile meter to the app (click the "+ New Test" button)


Click on a result to view result detail. Scroll down to see all the data.





To modify result details (e.g. to add missing information or fix errors), press the pencil icon .

To delete the result, press the rubbish bin icon .

To create a report of this measurement (for sharing or printing), click the sharing icon  and the app will draw a report. To print, share or discard the report, click on one of the icons that the top of the screen.

# Field Map Setup

On the Field Map Setup screen you can add, remove or modify fields.



The app assigns measurements to a field of your choice. At Field Map Setup, you can select a default field which will be used by default for all new measurements.

When entering results, you are given the choice to choose a different field.

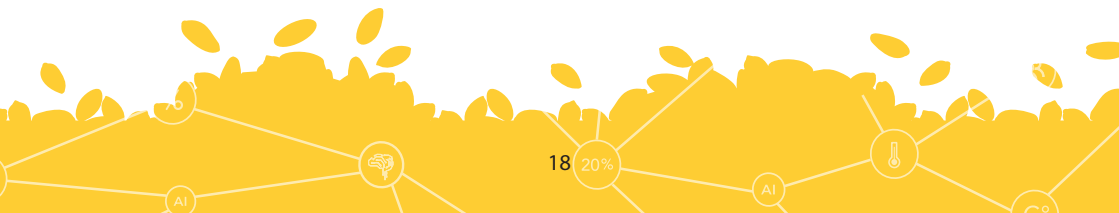
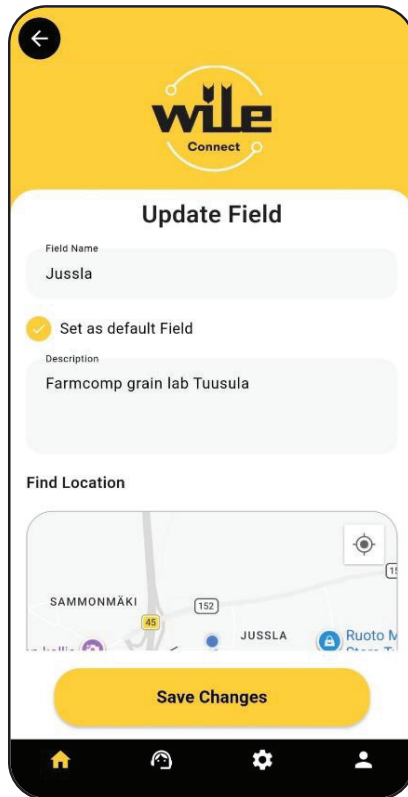
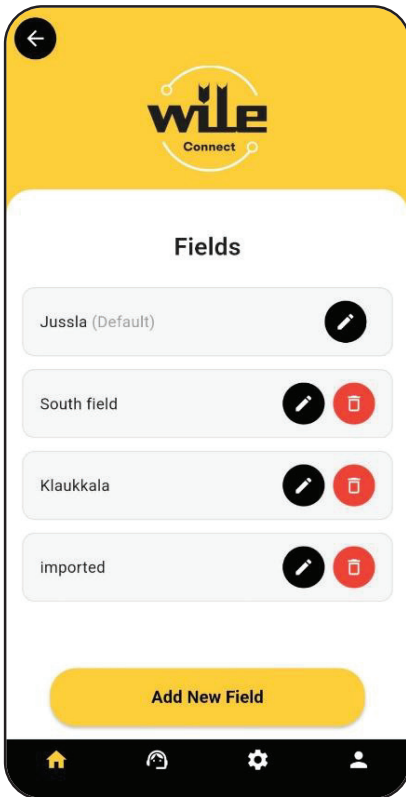
When viewing or graphing results, you can choose to filter results by the field setting.

It is safe to ignore this feature if you do not find it useful. Alternatively, if you are e.g. operating a dryer or a mill for local farmers, you can add your customers as "fields".

Each new field is automatically positioned to your current location. You can move the position by tapping on the map either while adding a new field or by later when editing it.

To edit a field, click the pencil icon . Do remove one, click the rubbish bin icon .

The default field cannot be removed.



# AI Analytics

Not yet available.

## Buyers


On the Buyers screen you can add, remove or modify buyer information for your crops. The app assigns measurements to a buyer of your choice. At the Buyers screen, you can select a default buyer who will be used by default for all new measurements. When entering results, you are given the choice of choosing a different buyer. It is safe to ignore this feature if you do not find it useful. Alternatively, you can use this it for example to distinguish usage purposes within your farm (e.g. feed for cattle, seeds for cultivation).

## Device Catalogue

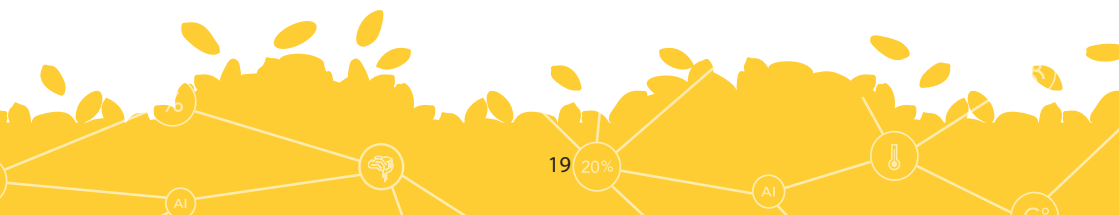
On the Device Catalogue screen, you can find a list of products that can one way or other utilise the app. By clicking on a product, you can access its user's manual.

## Quick Test

The Quick Test button allows quick result reading from a meter without having to navigate My Devices or Results screens.

If you have several devices added to the app, you can choose which one to use for the Quick Test function in the App Settings (cogwheel icon  at the bottom of the screen).

The quick test function is what you will routinely use for adding measurement results. It works exactly like the process described for "Adding measurement results" above, it's just easier to access.



# Bottom icon bar

## Home

Takes you back to the Home screen

## Support Center

Manufacturer customer support contact details.

## App Settings

On the App Settings screen, you can control various features of the app.

## Quick Test Device

If you have multiple meter devices added to the app, you can choose which one should be linked to the Quick Test button on the Home Screen for easy access.

## Save results with location

If enabled, your geolocation will be saved with the measurement results. This requires you to grant access to device location.

## Printer Setting

Printer settings are not yet available, but if you have a printer installed to your mobile device running the app, you can print out measurement result reports by clicking the share icon on the Result Details screen and by then clicking the print icon (or by clicking the share icon and by then choosing to share the .pdf format report to a printer app capable of processing ).

## Privacy Policy

Our privacy policy for your reference.

## Language

Choose the language for the app user interface.

Note: If you are using the app with a device such as the Wile 200 which also allows choosing user interface languages, it is OK for you to choose different languages for the app and the device. But please be aware that in this case, grain names on the app will be shown in the same language they were on the device screen upon measurement, not in the app language.

This is to retain consistency with measurement data throughout the process and to avoid the dangers of translating speciality crop names to languages where good matching terms may not be known to us.

## User Profile

The User Profile screen allows you to view and change your personal details and your app access password or delete your account.



# Camera tips

If your camera is slow to detect QR codes from your meter display, please consider the following:

- Bright lights can influence QR code scanning. Especially beware of lights reflecting from the display lens: if the image on the camera view doesn't look good, probably the QR code cannot be detected either. Shade the display with your hands or move the meter to avoid glare.
- Most mobile devices will not focus very close to the target, so do not move the camera very close to the QR code. A 30 cm distance is a good starting point for most devices.
- With some mobile devices, QR code scanning can appear difficult if the camera on that device likes to focus just once upon start-up and not continuously or not as often as we'd like. If this is happening, always point your camera lens at the QR code first (try about 30 cm distance first), and then start scanning a QR code on the app to start the camera. This way the camera will focus to the QR code immediately.
- If the meter display backlight is not on during QR code display, try enabling it in the meter's settings.
- If the meter device has a display contrast setting, adjusting it can influence QR code detection.

