

mEAT quality

Livestock Sustainability Assessment App

User Manual
Complete Guide to Using the Mobile Application

Version 1.0 · 2026



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1. About the Application

mEATQuality is a mobile application designed to help livestock farmers evaluate the sustainability of their farming operations. The app conducts comprehensive assessments across multiple dimensions of sustainability for poultry (broiler) and swine (pig) farms, covering both conventional and organic production models.

What Does the App Evaluate?

The sustainability test assesses your farm across **four key impact dimensions**:

Dimension	What It Measures
Environmental Impact	Water management, energy efficiency, waste handling, biodiversity preservation
Social Impact	Socioeconomic contribution to the local community and territory
Economic Impact	Business practices, certifications, market positioning, financial sustainability
Animal Welfare	Animal management, stocking density, handling practices, health protocols

Supported Farm Types

Farm Type	Description
Conventional Broiler (Poultry)	Standard poultry farming operations
Organic Broiler (Poultry)	Organic-certified poultry operations
Conventional Pig (Swine)	Standard swine farming operations
Organic Pig (Swine)	Organic-certified swine operations

Available Languages

The application is available in **7 languages**: English, Spanish, German, Dutch, Polish, Italian, and Danish.

2. Getting Started

Download the App

The mEAtQuality app is available on both major mobile platforms. Download it from the store that corresponds to your device:

Platform	Link
Android (Google Play)	https://play.google.com/store/apps/details?id=com.solwed.meatquality
iOS (App Store)	https://apps.apple.com/us/app/ecovalia-meatquality/id6760019041

 **Tip:** Search for "**mEAtQuality**" or "**Ecovalia mEAtQuality**" in your device's app store if the links above don't open directly.

Welcome Screen

When you open the application, you are greeted with the **Welcome Screen**. From here you can either log in with an existing account or create a new one.



Fig. 1 — Welcome screen with Login and Register options

If you have already logged in previously, the app will remember your session and take you directly to the Dashboard.

 **Tip:** The app remembers your last login. You only need to sign in once unless you explicitly log out.

3. Creating an Account

Tap **Register** on the Welcome Screen to begin creating your account. The registration process has two steps: entering your personal information and registering your farm(s).

3.1 Profile Information

Fill in the following fields on the registration form:

9:54    

mEAT
quality 

Name

Surname

Email

Password
 

Country
 

State / Province
 

Phone

Back  **Register** 

Fig. 2 — Registration form

Field	Required	Description
Name	Yes	Your first name
Surname	Yes	Your last name
Email	Yes	A valid email address (will be used for login)
Password	Yes	At least 6 characters, 1 uppercase letter, and 1 number
Country	Yes	Select from the dropdown list
Province / Region	Yes	Appears after selecting a country
Phone	Yes	Country prefix is auto-filled; enter your number
Address	Yes	Your postal address
City	Yes	Your city or town
Number of Farms	Yes	How many farms you want to register (minimum 1)

i Note: The password must contain at least 6 characters, including 1 uppercase letter and 1 number. Tap the eye icon next to the password field to toggle visibility.

Once all fields are filled in correctly, tap **Register**. You will be automatically logged in and taken to the farm registration step.

3.2 Registering Your Farms

After creating your account, you will be asked to register your farm(s). The number of farm forms shown matches the number you entered during registration.



10:34

State / Province

Badaioz

City / Town

Mérida

Polygon

2

Plot / Parcel

9

Farm Type

Organic Pig Farm

Back Register

Fig. 3 — Farm registration form

For each farm, provide:

Field	Required	Description
Farm Name	Yes	A descriptive name for your farm
Farm Type	Yes	Select one: Organic Pig, Conventional Pig, Organic Broiler, or Conventional Broiler
Country	Yes	Shared across all farms on this page
Province / Region	Yes	Select from the list (depends on country)
City	Optional	Municipality or city name
Polygon	Optional	Cadastral polygon number
Plot	Optional	Cadastral plot number

⚠ Important: The **Farm Type** determines which survey questions you will see. Make sure to select the correct type that matches your farming operation.

Tap [Register](#) to save your farms. You will be taken to the Dashboard.

4. Logging In

Tap **Login** on the Welcome Screen to access the login page.

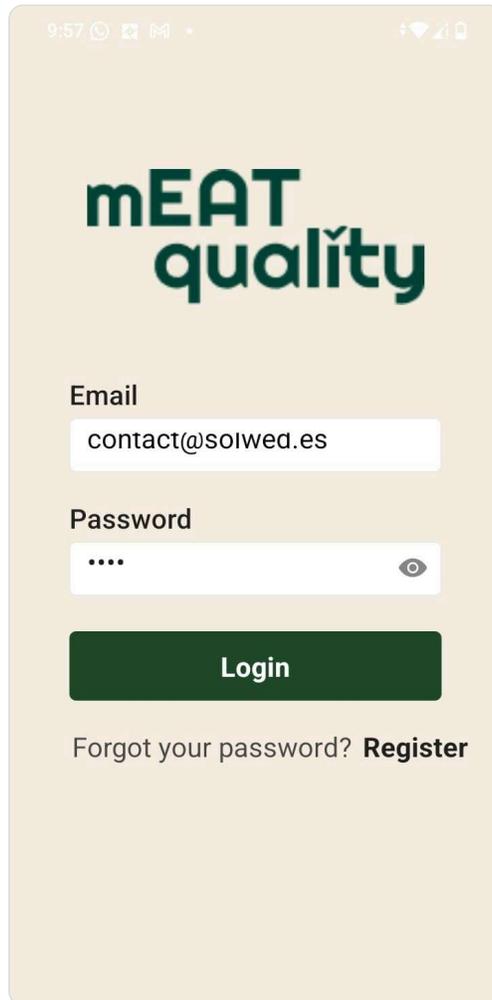


Fig. 4 — Login screen

- 1 Enter your **email address** (the app remembers your last used email).
- 2 Enter your **password**. Tap the eye icon to show/hide the password.
- 3 Tap **Login**.

On successful login, you will be taken to the Dashboard.

4.1 Forgot Password

If you forget your password, tap "**Forgot Password?**" on the Login screen.



Fig. 5 — Forgot Password screen

- 1 Enter the email address associated with your account.
- 2 Tap **Send Reset Email**.
- 3 Check your email inbox for a message containing a reset code.

4.2 Reset Password

After receiving your reset code by email:



Fig. 6 — Reset Password screen

- 1 Enter the **reset code** from your email.
- 2 Enter your **new password** (requirements are shown below the field with real-time indicators).
- 3 Confirm your new password.
- 4 Tap **Reset Password**.

You will be redirected to the Login screen to sign in with your new password.

5. The Dashboard

The Dashboard is your central hub after logging in. It displays a personalized greeting and gives you access to all the app's features.

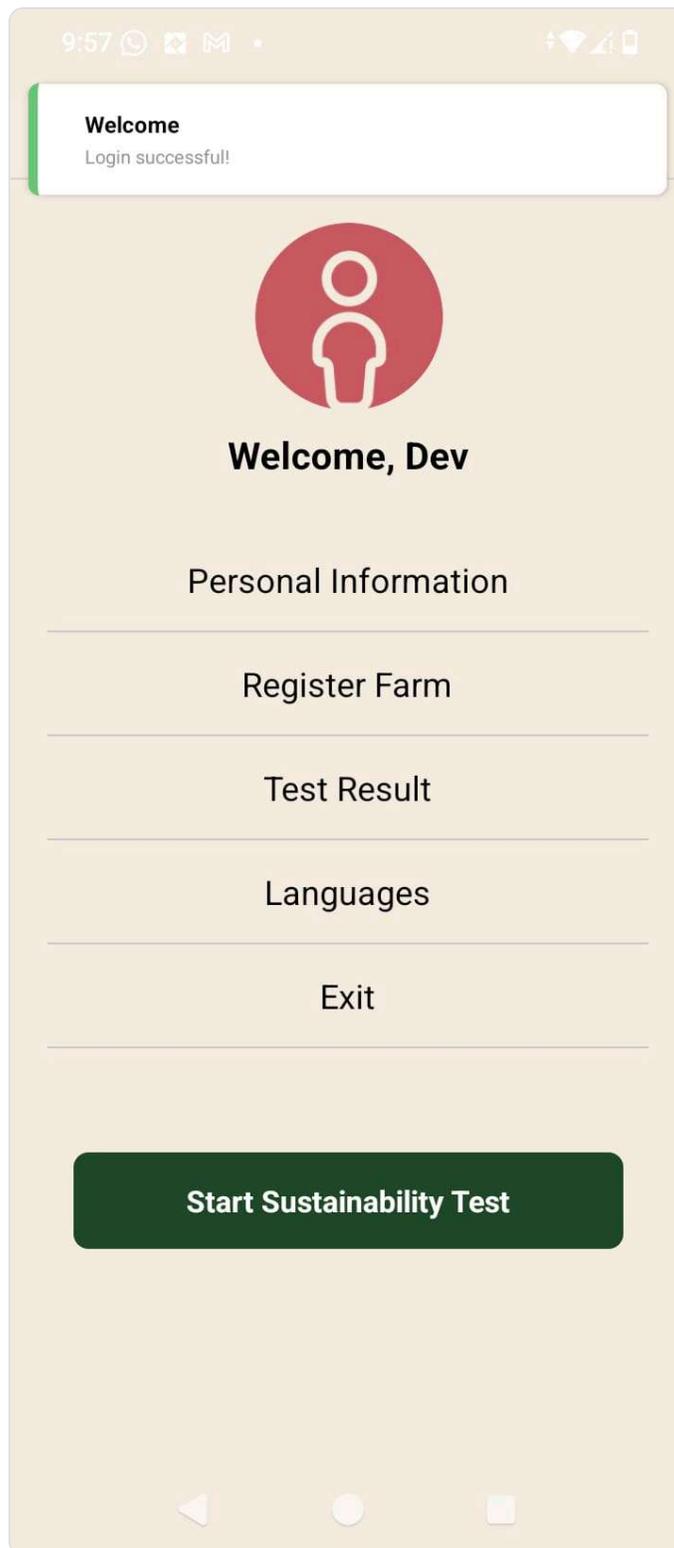


Fig. 7 — Main Dashboard

From the Dashboard you can access:

Option	Description
Start Sustainability Test	Begin a new sustainability assessment for one of your farms
Personal Information	View and edit your profile details and manage your farms
Register Farm	Add a new farm to your account
Test Results	View results from previously completed sustainability tests
Languages	Change the application language
Exit	Log out of your account

6. Changing the Language

Tap Languages from the Dashboard to access the language selection screen.



Fig. 8 — Language selection screen

The app supports the following languages:

Language	Flag
English	GB
Spanish (Español)	ES
German (Deutsch)	DE
Dutch (Nederlands)	NL
Polish (Polski)	PL
Italian (Italiano)	IT
Danish (Dansk)	DK

Tap any language to switch immediately. The entire interface, including all questions and recommendations, will update to the selected language. Tap [Back to Dashboard](#) when finished.

7. Managing Personal Information

Tap Personal Information from the Dashboard to view and edit your profile.



The screenshot shows a mobile application interface for 'mEAT quality'. At the top, there is a status bar with the time 10:03 and various icons. Below the status bar is the app's logo 'mEAT quality' and a red circular profile icon. The main heading is 'Información personal'. The form contains several input fields: 'Nombre' (Name) with the value 'Dev', 'Apellido' (Surname) with 'Solwed', 'Correo electrónico' (Email) with 'contact@solwed.es', 'Teléfono' (Phone) with '123123123', 'DIRECCIÓN' (Address) with 'Calle virtual, 9', and 'Ciudad / Pueblo' (City / Town) with 'Mérida'. At the bottom, there are two dark green buttons: 'Atrás' (Back) and 'Guardar' (Save).

Fig. 9 — Personal information and farm management screen

On this screen you can:

- **Edit your profile** — Update your name, surname, phone, address, city, country, and region.
- **View your farms** — All registered farms are shown as collapsible cards below the form. Tap a farm name to expand and see its details.
- **Edit or delete farms** — Each farm card has edit and delete buttons (see below).

i Note: Your email address is displayed but cannot be changed from within the app.

After making changes, tap **Save** in the footer to update your information.

7.1 Editing a Farm

Tap the **edit icon** () on a farm card to open the farm editing screen.

10:35

mEAT quality

Edit Farm

Name

Finca N1

Farm Type

Organic Pig Farm

Country

Spain

State / Province

Badaioz

City / Town

Merida

Cancel Save

Fig. 10 — Edit Farm screen

You can modify:

- Farm name
- Farm type (Organic/Conventional, Pig/Broiler)

- Country and Province
- City/Municipality
- Polygon and Plot numbers

Tap **Save** to apply changes or **Cancel** to discard.

7.2 Deleting a Farm

Tap the **delete icon** () on a farm card. A confirmation dialog will appear. Confirm to permanently remove the farm and all associated survey data.

 **Important:** Deleting a farm is permanent and cannot be undone. All survey results associated with that farm will be lost.

8. Starting a Sustainability Test

The sustainability test is the core feature of the application. It evaluates your farming practices across 10 categories and provides a comprehensive score with personalized recommendations.

Dashboard → Farm Selection → Initial Questions → 10 Survey Sections → Completion
→ Results

8.1 Farm Selection

Tap **Start Sustainability Test** from the Dashboard to begin.

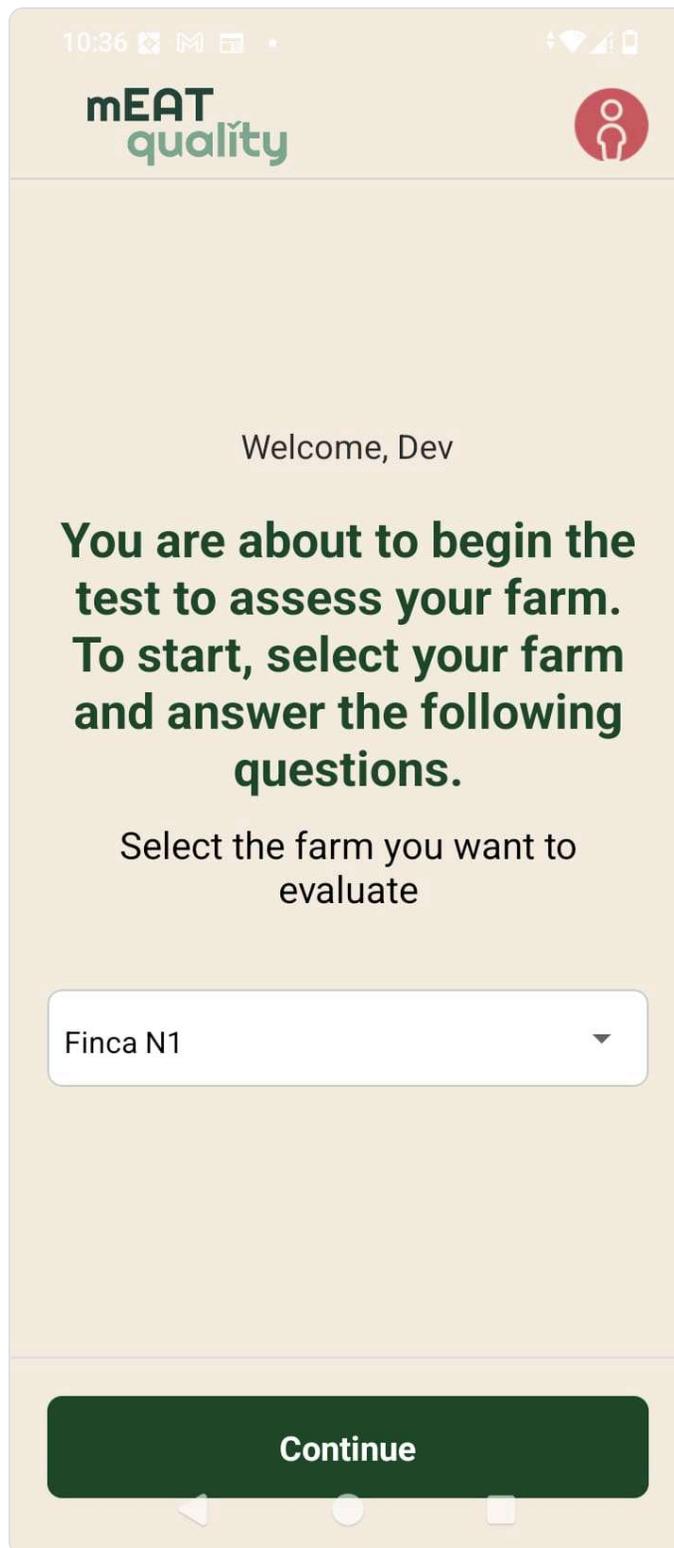


Fig. 11 — Farm selection screen

- 1 A dropdown shows all your registered farms. Select the farm you want to evaluate.
- 2 Tap **Continue** to proceed to the initial questions.

 **Tip:** The survey that loads is determined by your farm's type (set during farm registration). A conventional broiler farm will get different questions than an organic pig farm.

8.2 Initial Questions

Before the main survey begins, you will be asked 1–2 preliminary questions to determine the specific model for your assessment.

10:36

mEAT quality

Organic Pig Farm

Do the animals graze?

Yes No

Do the animals have access to an outdoor run?

Yes No

Are the animals able to dig in the outdoor run?

Yes No

Back Next

Fig. 12 — Initial model determination questions

Question 0.1: "Do the animals have access to an outdoor yard?"

- If you answer **No** → The survey is configured as **Model 1**.
- If you answer **Yes** → A second question appears.

Question 0.2: "Do the animals have access to pasture?" (only if Q0.1 = Yes)

- If you answer **Yes** → **Model 2**
- If you answer **No** → **Model 3**

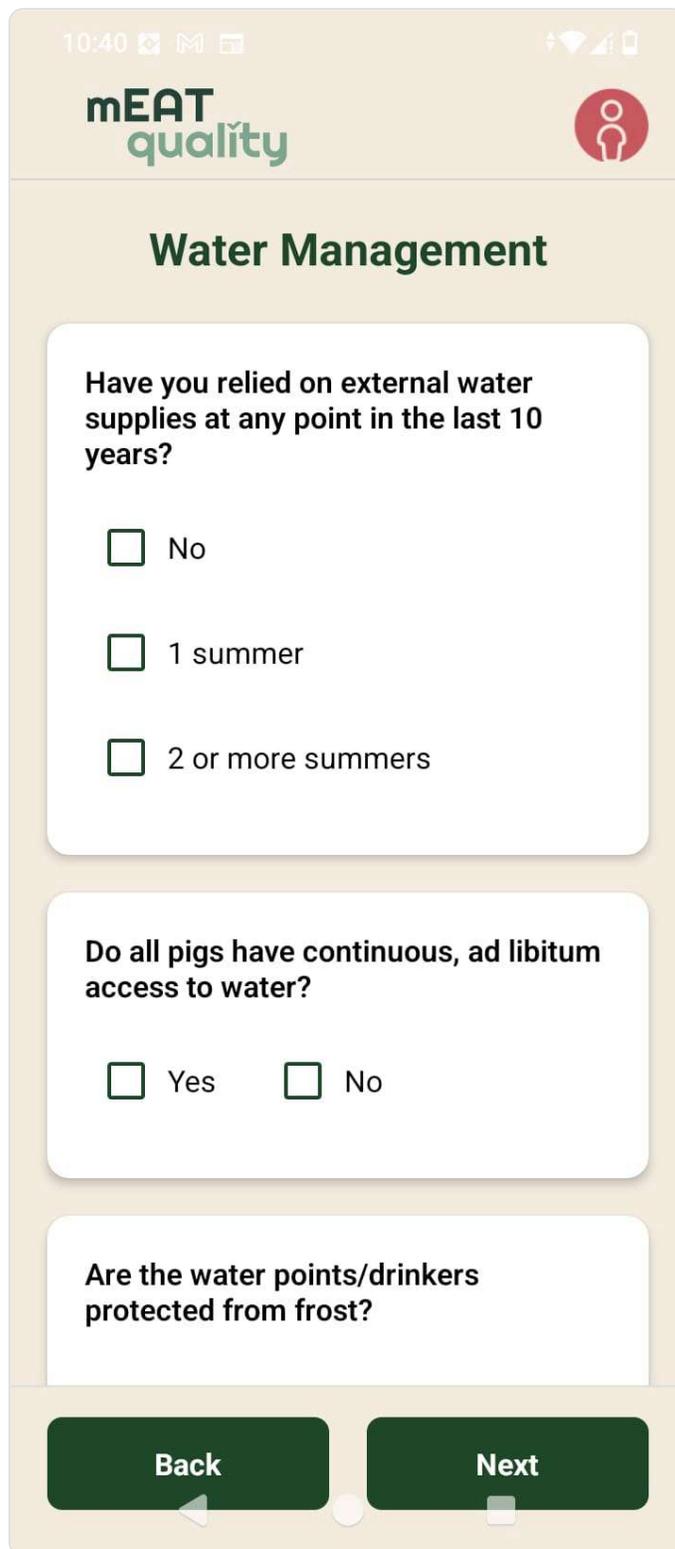
The model determines which specific questions are shown throughout the survey. Tap **Next** once you have answered all questions to begin the main survey.

i Note: The model selection affects question filtering throughout the entire survey. Some questions are only relevant to certain models and will be shown or hidden accordingly.

9. Completing the Survey

The sustainability test consists of **10 thematic sections**, each focusing on a specific aspect of your farming operation. You progress through them sequentially.

9.1 Navigating Between Sections



The screenshot shows a mobile application interface for 'mEAT quality'. At the top, the status bar displays the time 10:40 and various icons. The app header features the 'mEAT quality' logo and a user profile icon. The main section is titled 'Water Management' and contains three survey questions, each in a white rounded rectangle:

- Question 1:** "Have you relied on external water supplies at any point in the last 10 years?" with three radio button options: "No", "1 summer", and "2 or more summers".
- Question 2:** "Do all pigs have continuous, ad libitum access to water?" with two radio button options: "Yes" and "No".
- Question 3:** "Are the water points/drinkers protected from frost?" (no options are visible).

At the bottom, there are two dark green buttons labeled 'Back' and 'Next'.

Fig. 13 — A typical survey section (Water Management shown)

Each section has the same layout:

- **Title** at the top identifying the current section.
- **Scrollable question area** in the middle with all questions for that section.
- **Footer** with two buttons:
 - **Back** — Return to the previous section
 - **Next** — Submit answers and proceed to the next section

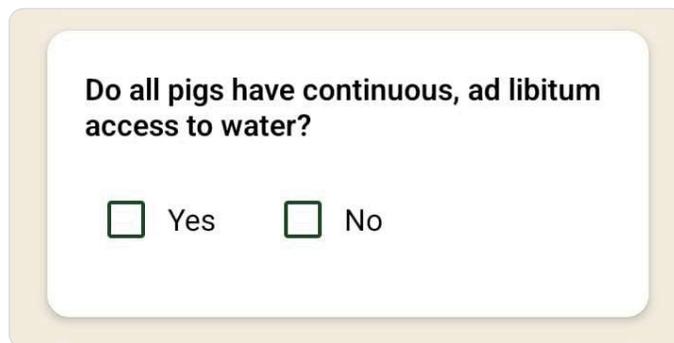
Tip: Your answers are saved to the server each time you tap **Next**. If you close the app mid-survey, your progress is preserved on the server. You can re-enter the survey by starting a new test for the same farm.

9.2 Types of Questions

There are three types of questions you will encounter:

A) Yes / No Questions

The most common type. Tap **Yes** or **No** to answer.



The image shows a screenshot of a survey question. The question text is "Do all pigs have continuous, ad libitum access to water?". Below the question, there are two options: "Yes" and "No", each preceded by an unchecked checkbox. The entire question area is enclosed in a light-colored rounded rectangle.

Fig. 14 — A Yes/No question with checkbox selection

B) Single-Choice Questions (Exclusive Options)

Some questions present multiple options but only allow **one selection** (like a radio button). Selecting a new option automatically deselects the previous one.

Feed Management

Is your farm self-sufficient in feed supply? Indicate % of self-sufficiency (choose one option)

- 0%
- ≈20%
- ≈40%
- ≈60%
- ≈80%
- ≈100%

Fig. 15 — A single-choice question (only one option can be selected)

C) Multiple-Choice Questions

Some questions allow you to select **more than one option**. Each option can be toggled independently.

 Multiple Choice Question

Fig. 16 — A multiple-choice question (multiple options can be selected)

i Note: In the **Certifications** section, you must answer **all** questions before you can proceed. Other sections allow you to skip questions.

9.3 Survey Sections Overview

The 10 survey sections are completed in the following order:

#	Section	What It Covers
1	Certifications	Existing quality, origin, and environmental certifications held by your farm
2	Water Management	Water usage, conservation plans, waste water management, and supply resilience
3	Feeding / Nutrition	Feed self-sufficiency, diet composition, feeding equipment condition, and nutrition plans
4	Stocking Density & Grazing	Animal density, pasture access, grazing rotation, and outdoor management
5	Energy Efficiency	Energy sources, renewable energy use, insulation, and efficiency measures
6	Socioeconomic Contribution	Local employment, community involvement, and economic impact on the territory
7	Farm Business / Association	Business partnerships, cooperative memberships, and market access strategies
8	Animal Management	Breed selection, health monitoring, identification systems, and welfare practices
9	Pastures, Soil & Biodiversity	Soil management, reforestation, wildlife, and biodiversity elements (primarily for organic)
10	Waste Management	Manure handling, composting, emissions reduction, and pollution prevention

10. Survey Completion

After submitting the final section (Waste Management), you will see the **Completion Screen**.

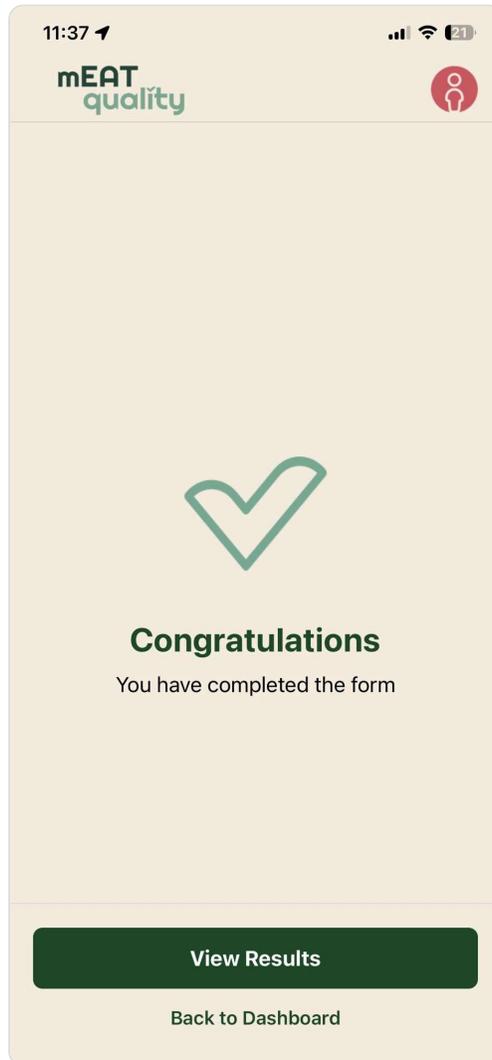


Fig. 17 — Survey completion screen

This screen displays a congratulations message and offers two options:

- **View Results** — Go directly to your sustainability scores and recommendations.
- **Back to Dashboard** — Return to the main menu. You can view results later from the Dashboard.

Note: You cannot navigate back to the survey from this screen. The back button is disabled to prevent accidental data corruption. Your answers have been fully saved.

11. Viewing Your Results

11.1 Score Overview

The Results screen presents your farm's sustainability assessment as clear, visual scores.

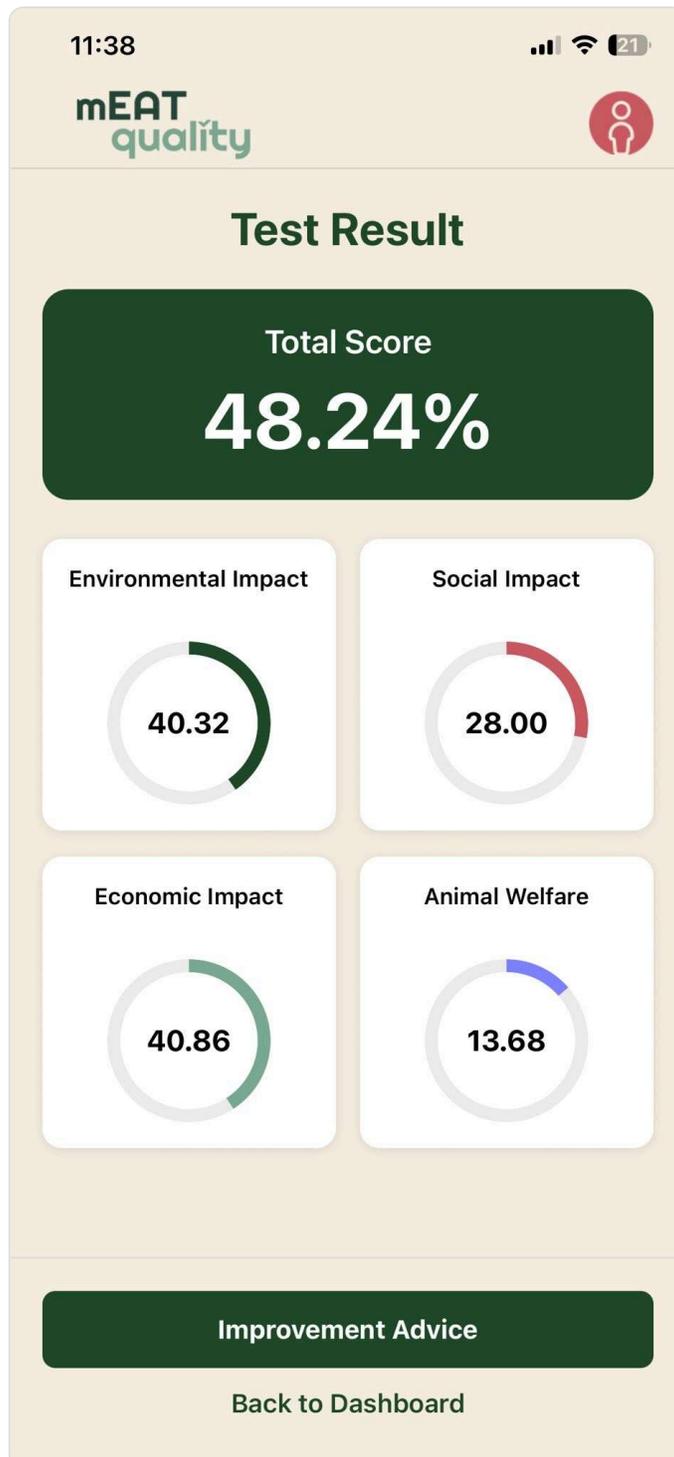


Fig. 18 — Results overview with total score and four impact dimensions

Total Score

At the top, a prominent card displays your **overall sustainability score as a percentage (0–100%)**. This score is calculated based on your answers across all 10 sections, normalized against the maximum possible score for your specific farm type and model.

Four Impact Dimensions

Below the total score, four circular progress indicators show your performance in each dimension:

Dimension	Color	What It Reflects
Environmental Impact	● Dark Green	Water, energy, waste, and biodiversity management
Social Impact	● Red	Community engagement and socioeconomic contribution
Economic Impact	● Light Green	Business viability, certifications, and market access
Animal Welfare	● Blue	Animal management, handling, and living conditions

Each dimension score is displayed as a percentage (0–100%), with the circular indicator filling proportionally.

Below the scores, two options are available:

- **Improvement Advice** — View personalized recommendations for improving your scores.
- **Back to Dashboard** — Return to the main menu.

11.2 Improvement Advice

The Improvement Advice screen shows an overview of all 10 survey categories, highlighting which ones have actionable recommendations.

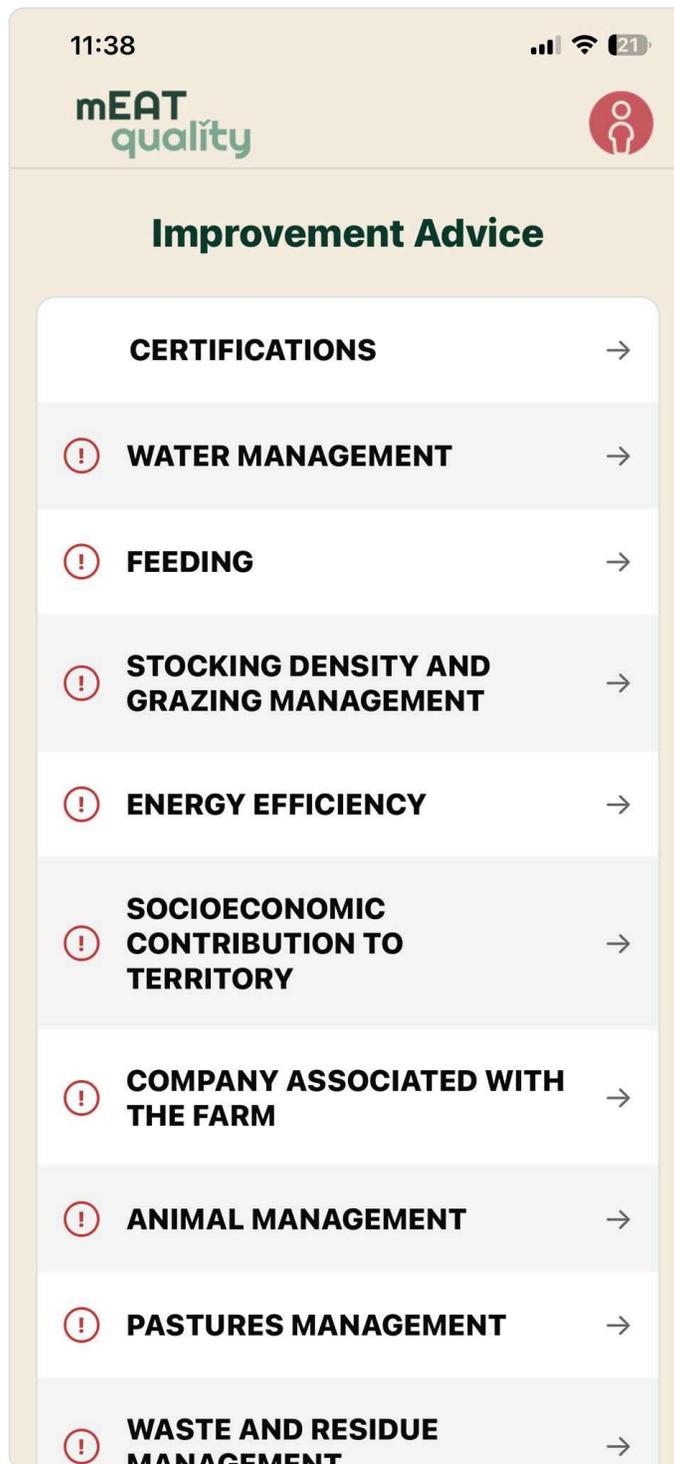


Fig. 19 — Improvement advice overview with warning indicators

Each section is listed as a row. Sections with recommendations display a **red warning indicator (!)** to draw your attention. Tap any section to view its detailed recommendations.

 **Tip:** Focus first on sections with the warning indicator — these are the areas where the assessment has identified the most room for improvement on your farm.

11.3 Detailed Recommendations

When you tap on a section, you see a detailed advice page with:

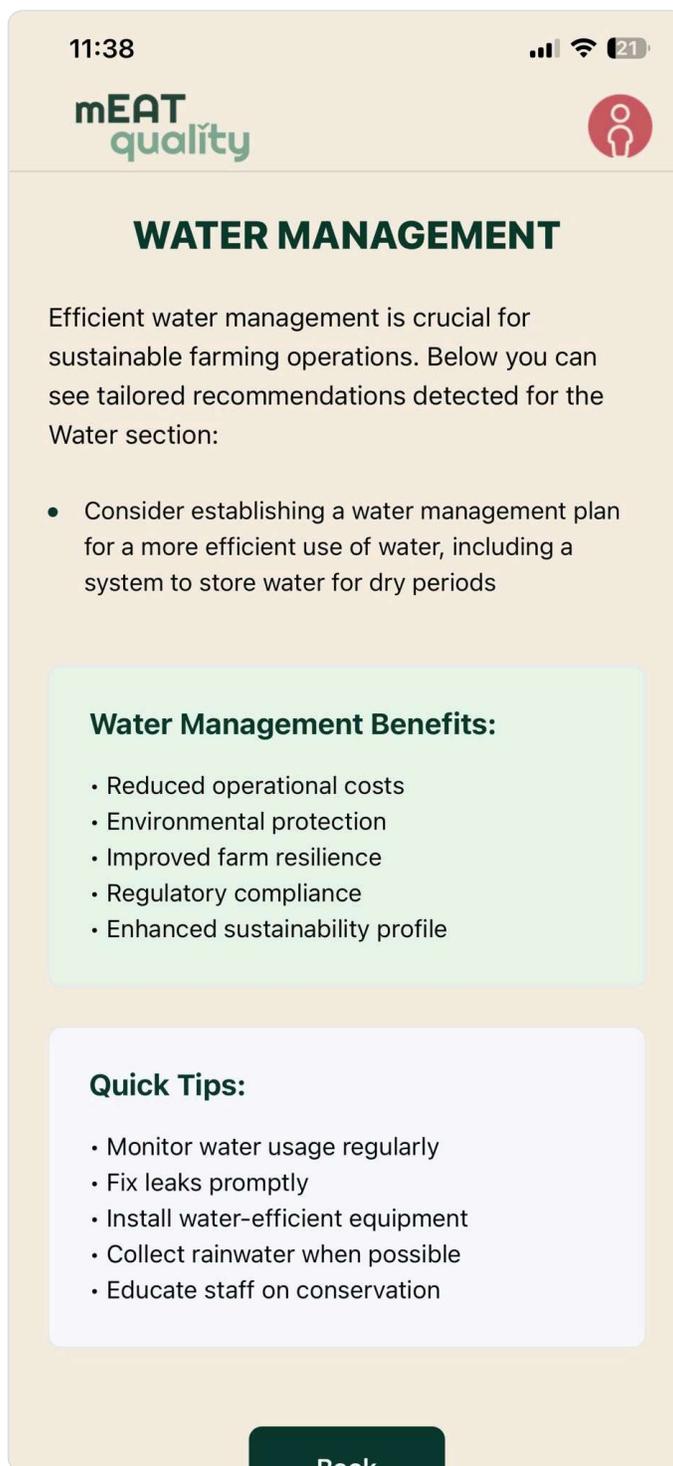


Fig. 20 — Detailed recommendations for a specific section

- **Section title and description** explaining what is being evaluated.

- **Personalized recommendations** — specific advice generated from your answers. These are concrete actions you can take to improve sustainability in this area.
- **General guidelines** — broader best practices and benefits related to the section topic (e.g., benefits of certification, water conservation tips, nutrition guidelines).

Tap [Back](#) to return to the advice overview and explore other sections.

12. Accessing Previous Surveys

To review results from earlier assessments, tap **Test Results** from the Dashboard.

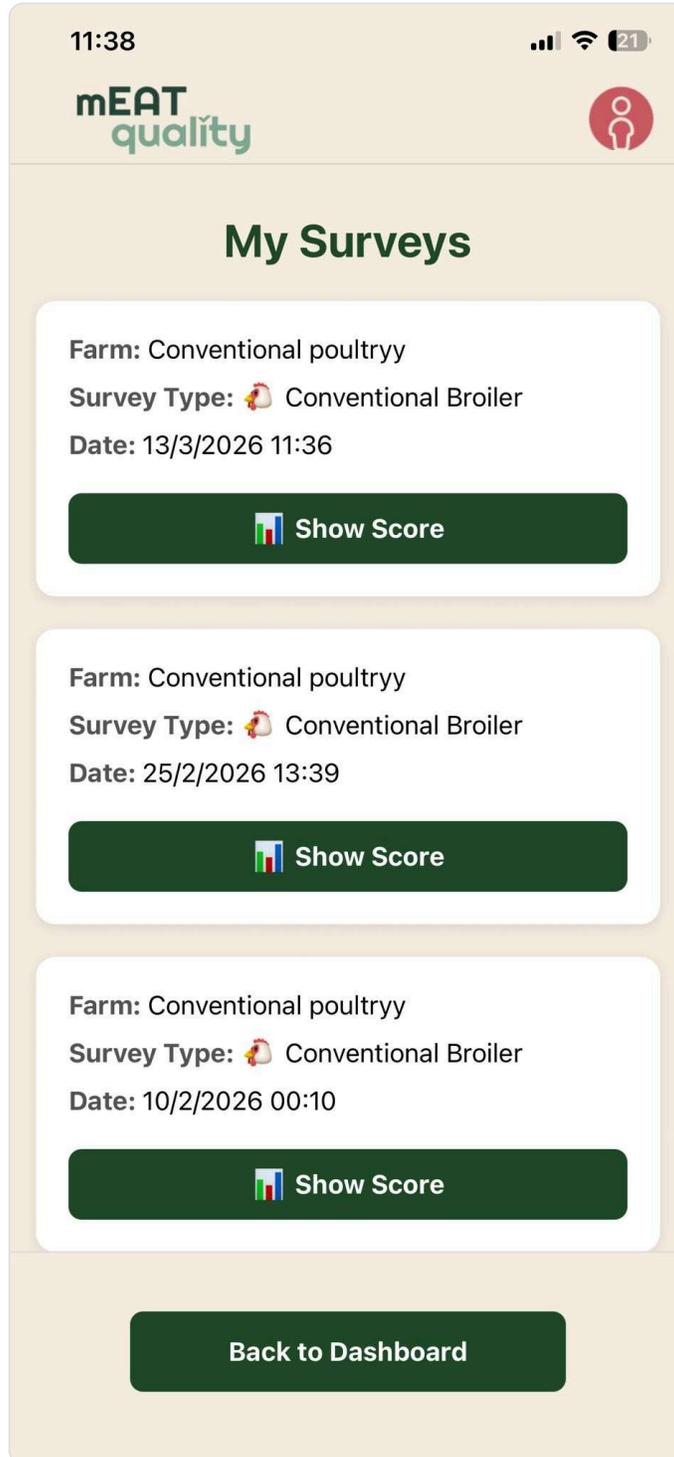


Fig. 21 — List of previously completed surveys

This screen shows all your completed surveys. Each card displays:

- **Farm name**
- **Survey type** with an icon (🐷 for pig, 🐔 for poultry) and whether organic or conventional
- **Date and time** of completion
- **Show Score** button to view detailed results

Tap **Show Score** on any survey to see its full results and recommendations (same Results screen described in Section 11).

i Note: If you haven't completed any surveys yet, an encouraging message will be displayed inviting you to start your first assessment.

13. Logging Out

To log out, tap **Exit** from the Dashboard menu. Your session will be cleared and you will be returned to the Login screen.

You can also access the Dashboard at any time by tapping the **user icon** in the top-right corner of the header bar (visible on most screens).

14. Appendix: Survey Models Reference

The following table summarizes how farm type and initial questions determine which survey model is applied:

Farm Type	Outdoor Access?	Pasture Access?	Model
Any (Pig or Broiler, Conventional or Organic)	No	—	Model 1 (Indoor)
	Yes	No	Model 3 (Outdoor yard, no pasture)
	Yes	Yes	Model 2 (Outdoor with pasture)

The model influences:

- Which questions appear in each section (some questions are only relevant to specific models)
- The scoring weights applied to your answers
- The maximum possible score (used for percentage calculation)

Maximum Scores by Farm Type and Model

Farm Type	Model 1 (Indoor)	Model 2/3 (Outdoor)
Organic Pig	113 points	112 points
Conventional Pig	118.5 points	117.5 points
Organic Broiler	108.5 points	106.5 points
Conventional Broiler	106 points	111 points

15. Troubleshooting

Problem	Solution
I can't log in	Verify your email and password are correct. Use Forgot Password to reset if needed. Ensure you have an internet connection.
The "Next" button is disabled	In the Certifications section, all questions must be answered before proceeding. In the Initial Questions , all required questions must be answered. Check that you haven't missed any.
I see a loading error in a survey section	This usually indicates a network issue. Check your internet connection and try again. A Retry button will be shown — tap it to reload.
I accidentally closed the app during a survey	Your progress is saved after each section. Start a new test for the same farm to continue where you left off.
My scores seem low	Scores are calculated as a percentage of the maximum possible for your farm type. Review the Improvement Advice section for specific actions you can take to raise your scores.
I was logged out unexpectedly	Sessions expire for security. Simply log in again — your data is safely stored on the server.
Some questions don't appear	Questions are filtered based on your farm type and model. Not all questions apply to every farm configuration — this is normal.
Province list is empty	Make sure you have selected a country first. The province/region list loads based on your country selection.

mEATQuality — Livestock Sustainability Assessment App

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