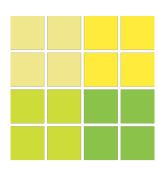


AgroEco Research app

http://sautiyawakulima.net/agresearch

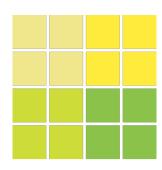
User's manual



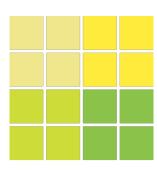
1. DOWNLOADING AND INSTALLING.

The AgroEco Research app works on most phones with Android operating system version 3.0 (Honeycomb) or higher.

- 1. Make sure that your phone allows you to install applications from "unknown sources" (that is, from sources different from Google Play)... to check whether you can do this, go to Settings >> Security, and check the "Enable unknown sources" checkbox. If you can't find that option there, you can try in Settings >> Applications.
- 2. Connect your phone to the Internet and navigate to http://sautiyawakulima.net/agresearch using your phone's browser.
- 3. Enter your login data (user alias and password).
- 4. You will see the main menu of the AgroEco Research web application. Choose 'Download app'.
- 5. A new screen will appear, with the logo of the app. Press the button labeled 'Download' found just below the logo.



- 6. The app should start downloading. On most Android phones, you can check the status of your download by sliding your finger from the top to the bottom of the screen... if this doesn't work, please check your phone's manual.
- 7. After the app has been downloaded, select it from the downloads section. Once you agree to grant the necessary permissions for the application, it will be installed on your phone.



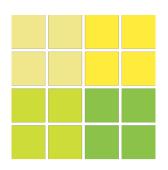
2. CONFIGURING.

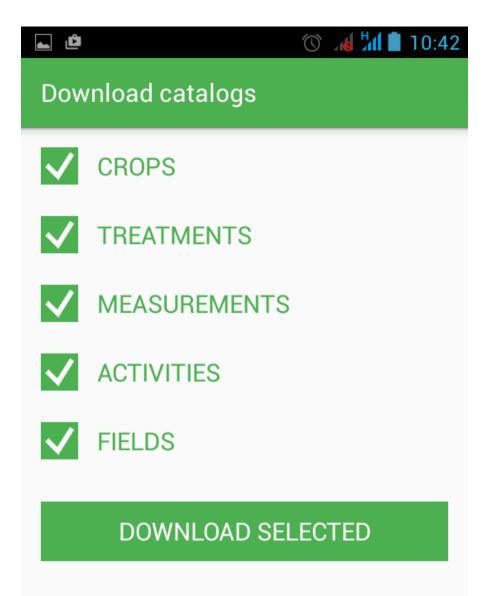
You should be connected to the internet in order to configure the AgroEco Research app. You need to configure the app before you can start using it.

- 1. When you open the AgroEco Research app, you will be asked to login. Please enter your login data.
- 2. You will be asked to enter the URL of the server to which the app will connect. Please enter the following URL, carefully avoiding typing mistakes:

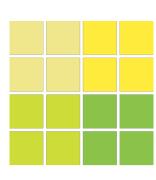
http://sautiyawakulima.net/agresearch

- 3. Once you've entered the server URL, you will see the Main Menu. Since the catalogs containing the research framework data have not been downloaded yet, you will only see a few options. To download the catalogs, choose 'Settings'
- 4. On the Settings screen, choose 'Download catalogs'. You will see the following screen:



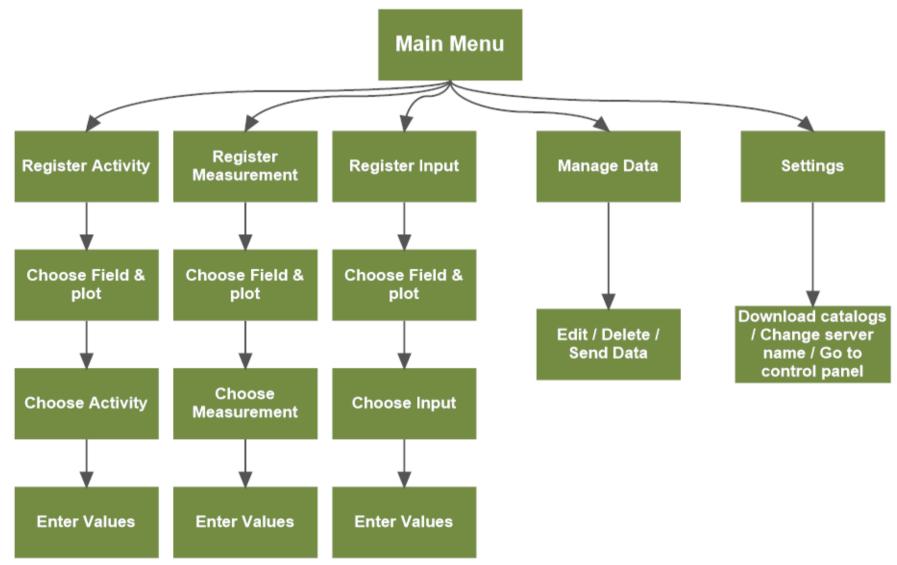


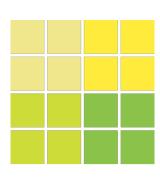
5. Make sure that all the catalog names are checked, and that you are still connected to the internet. Press 'Download selected' to download the catalogs. Once they have been downloaded, you can start using the AgroEco Research app.



3. USING THE AGROECO RESEARCH APP

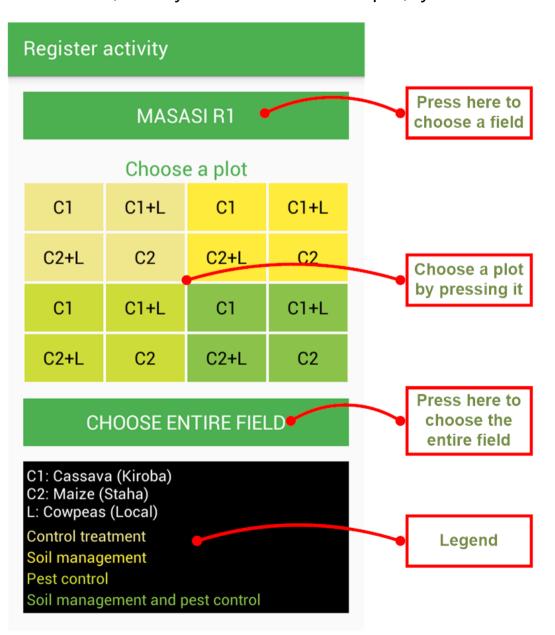
The following diagram illustrates the structure of the AgroEcoResearch app. Please note that, at any point, you can go back to the previous screen by pressing the 'Back' button on your phone.

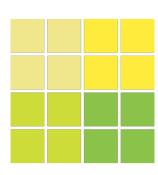




4. REGISTERING AN ACTIVITY, A MEASUREMENT OR AN INPUT

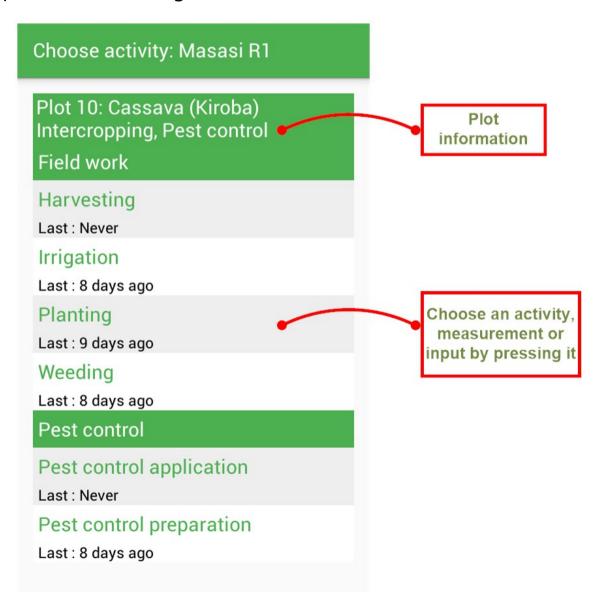
The first step in data collection tasks is to choose the field and the plot (or the entire field) where the data was produced. After you press one of the data collection buttons on the Main Menu (Activity, Measurement or Input), you will se the following screen.

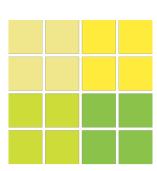




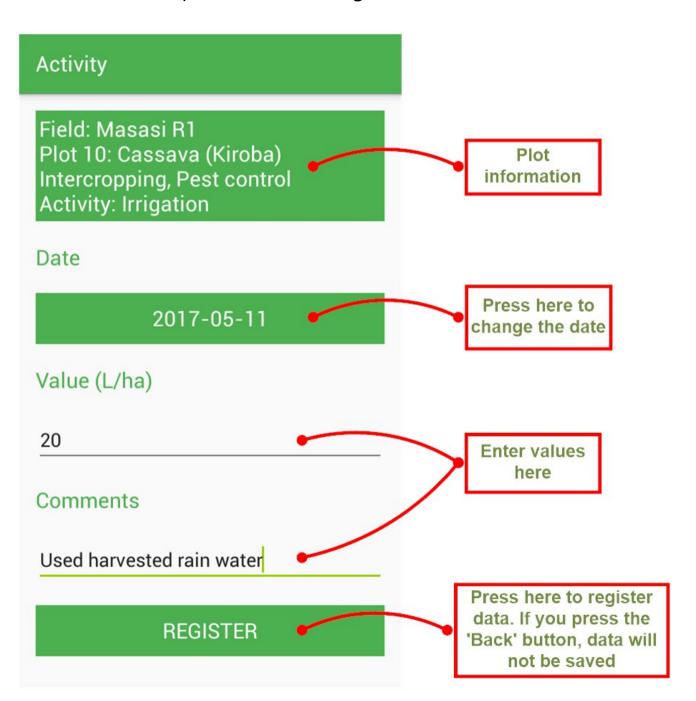
This screen allows you to choose the field and the plot for which the data will be entered. If the data is relevant to the entire field, you can press the button 'Choose entire field'. Alternatively, you can directly select a plot by pressing it.

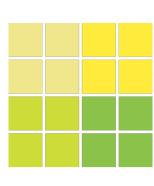
After choosing the field and plot, you will be able to choose the activity, measurement or input in the following screen:





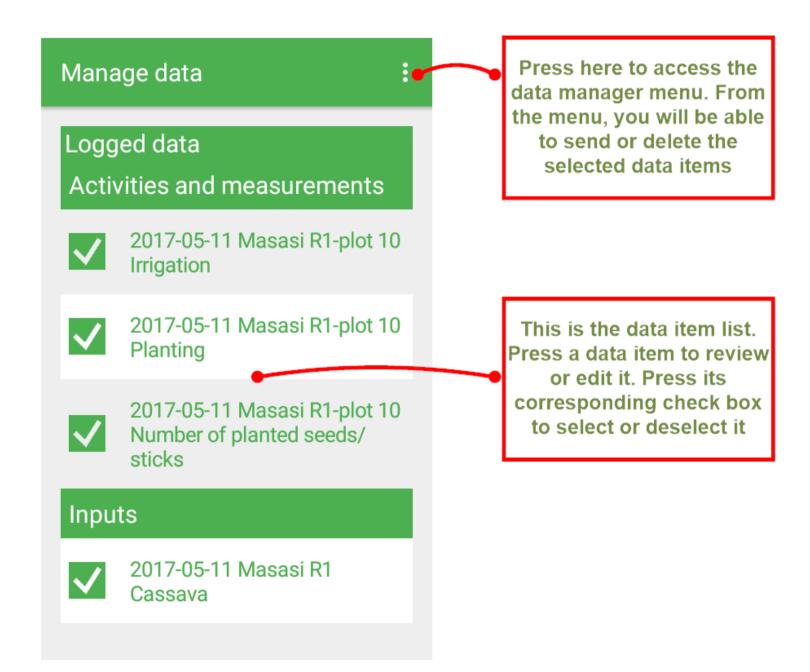
Finally, you will be able to enter the relevant values for the chosen activity, measurement or input in the following screen:

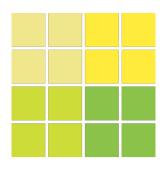




5. MANAGING DATA

The AgroEcoResearch Data Manager allows you to review, edit, delete and send the data you have recorded.

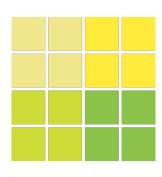




6. SETTINGS

The Settings screen will allow you to perform the following tasks:

- **Download catalogs:** Data framework catalogs must be downloaded in order to enable the data collection tasks. This is normally done at the beginning of the process, as explained on p. 5. However, it is possible to download the catalogs again at any point in the process, in case the data framework has been updated.
- **Define server:** The server name (or URL) is defined at the beginning of the process, right after the application has been installed. However, it is possible to change it if needed.
- **Control panel:** This option allows you to access the web control panel of the AgroEcoResearch project, by opening your phone's web browser and navigating to the control panel's URL.



7. REVIEWING AND EDITING DATA ON THE WEB APPLICATION

The data that is sent from the AgroEcoResearch app is aggregated and stored in a web database. You can access the contents of this database to review and manage the data.

To do so, go to http://sautiyawakulima.net/agresearch and enter your login data.

You will see the Main Menu of the web application. Press 'Manage log' to review and edit the AgroEcoResearch data.

On the following page you will see an example of how the logged data will appear.

7. REVIEWING AND EDITING DATA ON THE WEB APPLICATION

Click this check box to select or deselect all items

Click any check box to select or deselect single items

	Item	Date	Field	Plot	Description	Actions
	Input	2017-05-11	Masasi R1	All	Cassava	Details Edit
	Input	2017-05-11	Masasi R1	All	Cowpeas	Details Edit
	Log	2017-05-11	Masasi R1	10	Irrigation	Details Edit
	Log	2017-05-11	Masasi R1	10	Number of planted seeds/sticks	Details Edit
• 🗆	Log	2017-05-11	Masasi R1	10	Planting	Details Edit
	Log	2017-05-10	Masasi R3	All	Number of planted seeds/sticks	<u>Details</u> <u>Edit</u>
	Log	2017-05-10	Masasi R3	All	Planting	<u>Details</u> <u>E</u> dit
	Input	2017-05-10	Masasi R3	1	Cassava	Details Edit
	Log	2017-05-09	Masasi R2	All	Planting	Details Edit
	Log	2017-05-08	Masasi R2	1	Weeding	Details Edit

<u>Next</u>

Click on 'Edit' to edit the corresponding item

Click on 'Details' to view the values of the corresponding item

Use the page navigators 'Previous' and 'Next' to move through the log pages

Click here to delete the selected items

Click here to apply filters to the data. You can filter by field, dates, activity, measurement, crop and / or treatment

Menu

Click here to apply filters to the main menu