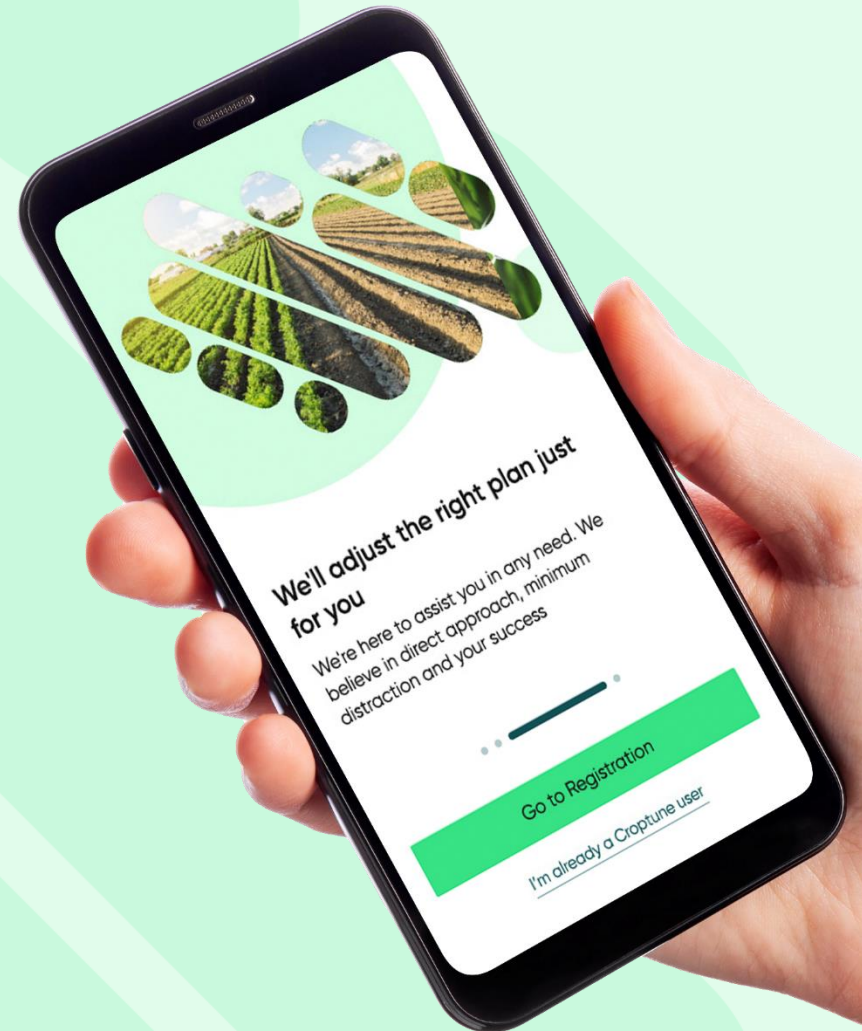


Go Green!



Cromptune™

User Manual

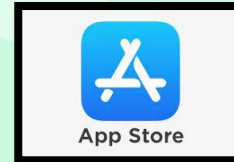
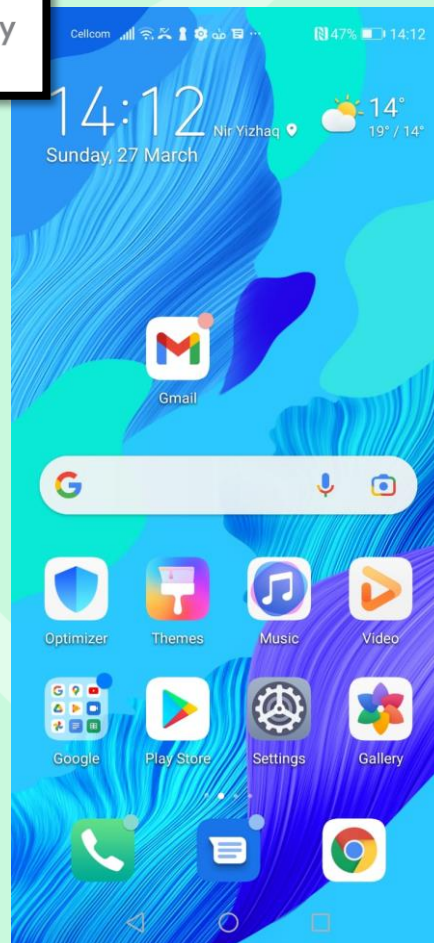


Haifa

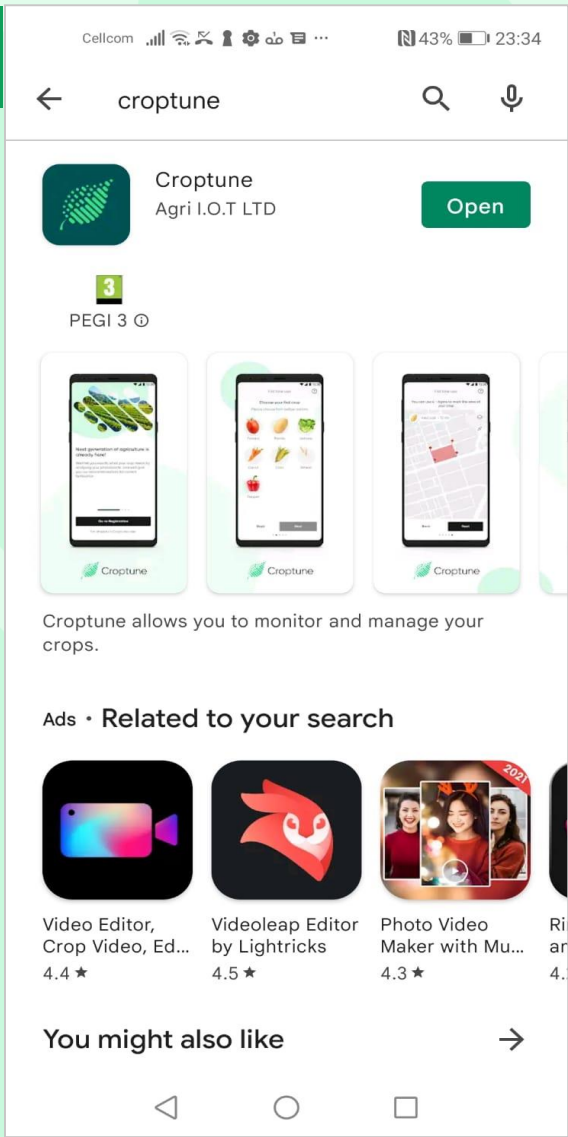


AGRIOT

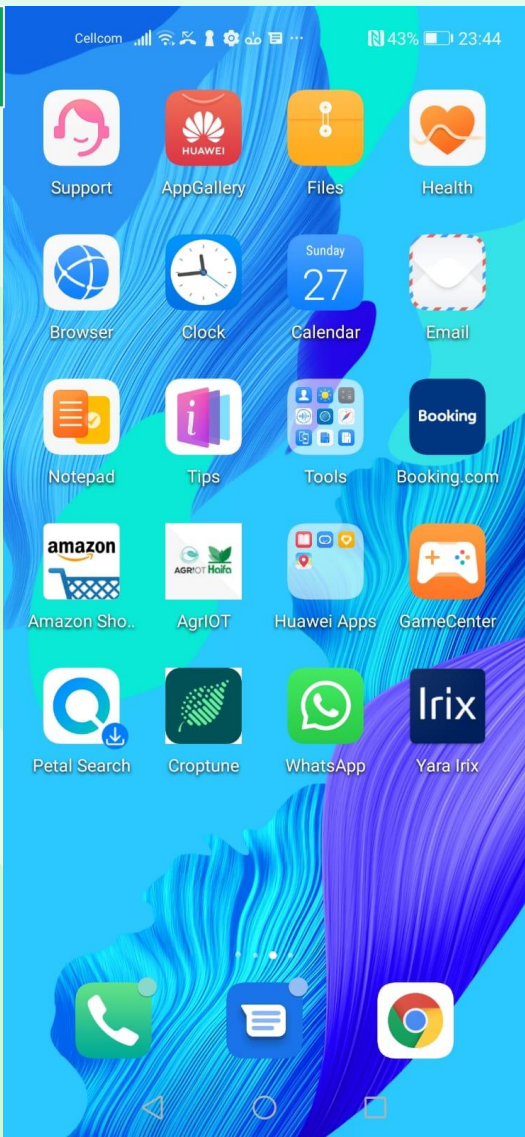
Download Croptune from the app/play store



Open Croptune

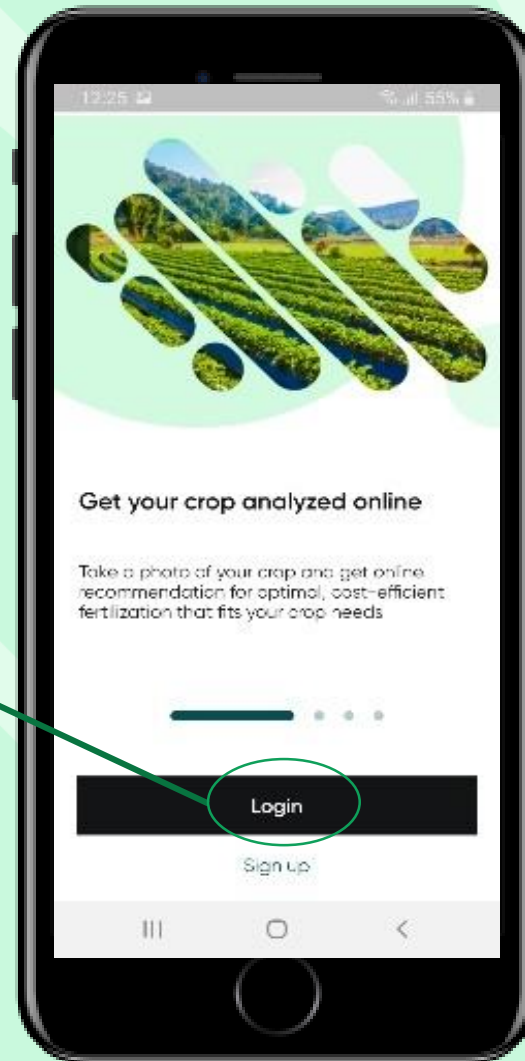


Launch Croptune

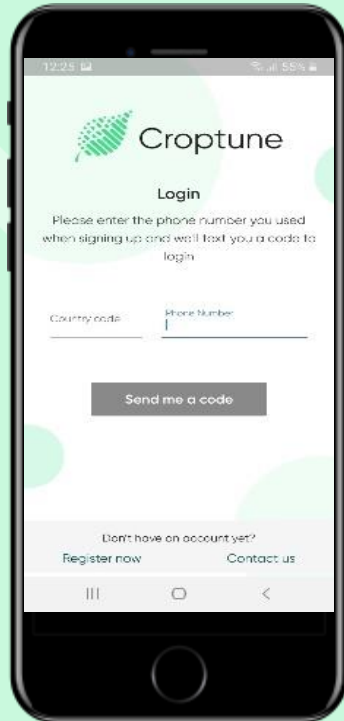


Croptune home screen opens

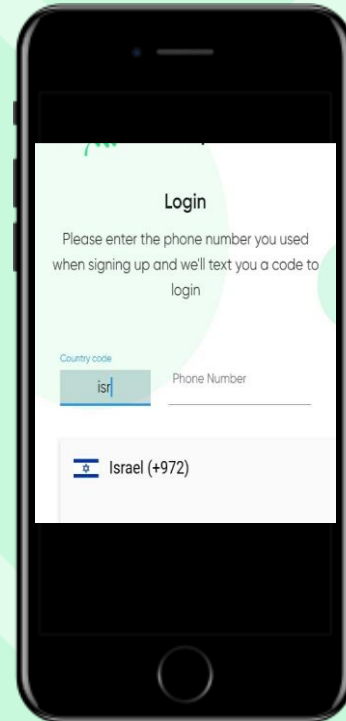
Tap to login



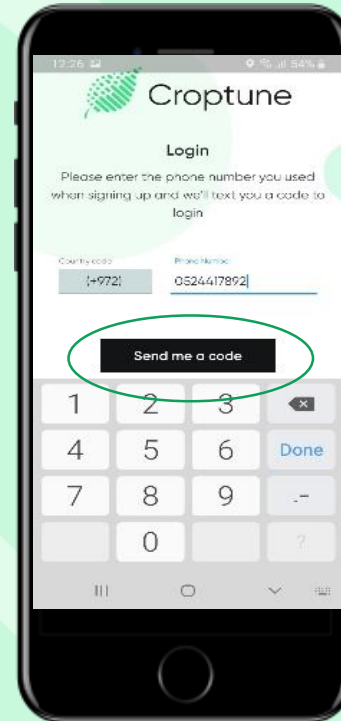
Login steps



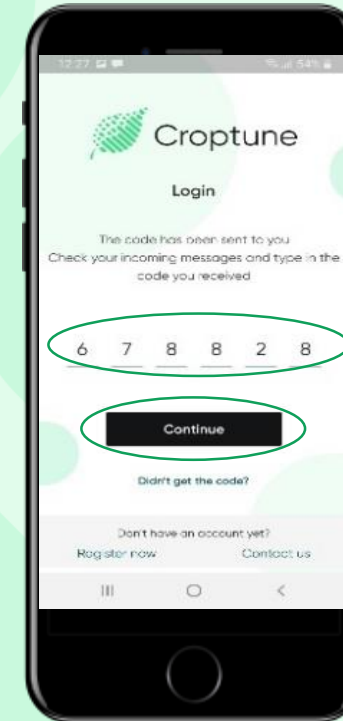
Enter phone number



Include country & area code (use country initials)

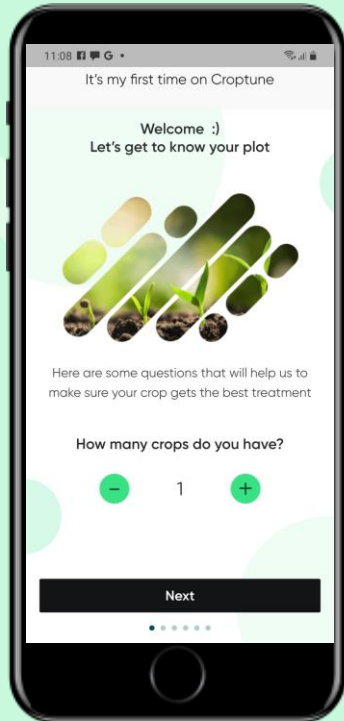


Tap on the "send me a code" button

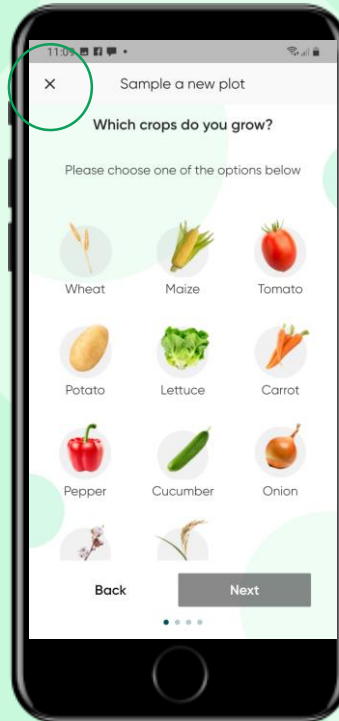


The code is inserted automatically. Tap "Continue".

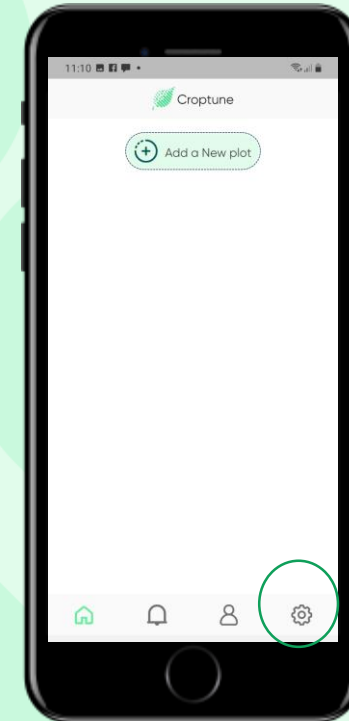
Set your language



Click Next

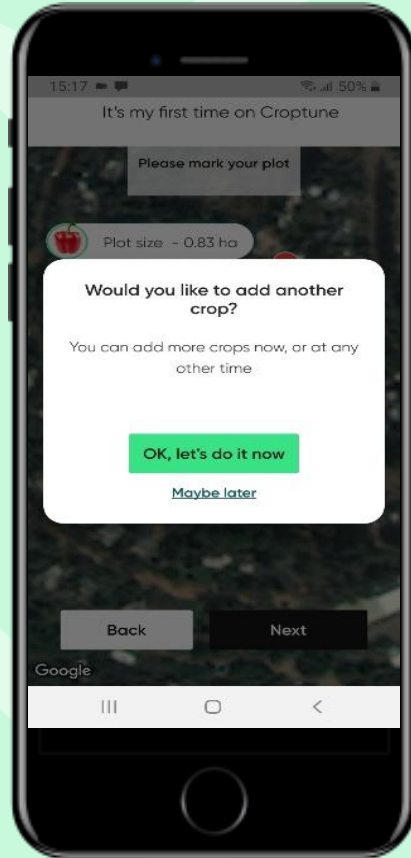
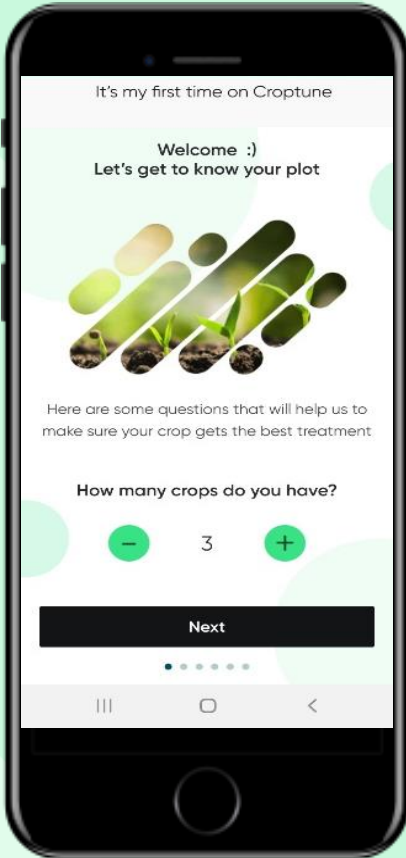


Close screen using the "X"



Click on settings to change language

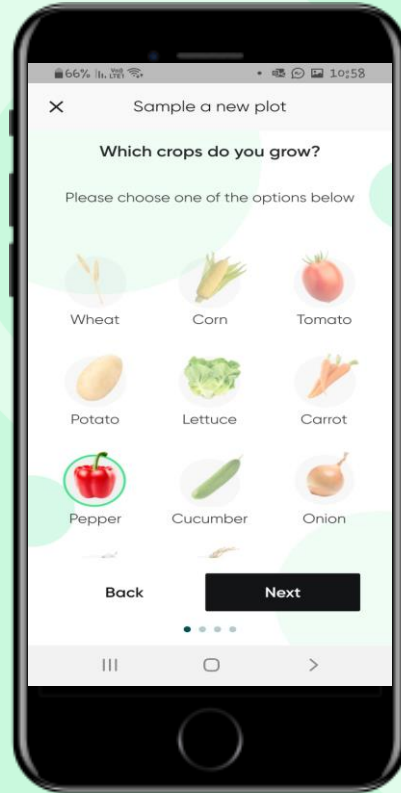
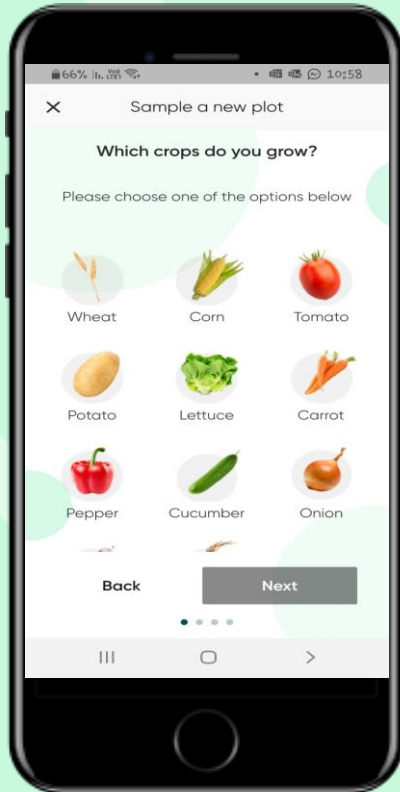
Selecting number of crops



- Select the number of crops that you want to analyze
- If you select more than 1 crop the process of defining parameters for the specific crop (see next slides) will be repeated
- You can select 1 crop and add additional crops at a later stage

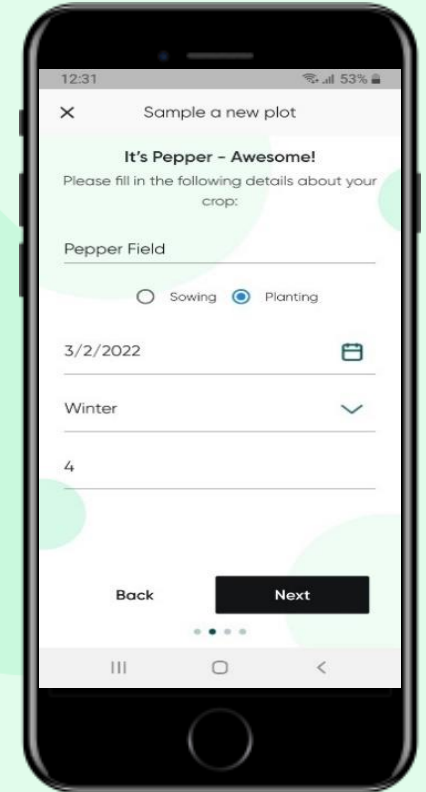
Adding a crop

Select your crop by tapping it. (The selected crop is highlighted with green circle – Pepper in this case.)



Insert required details:

- Plot name
- Planting / sowing (emergence) date
- Season
- Number of plants per square meter



Tap "Next"

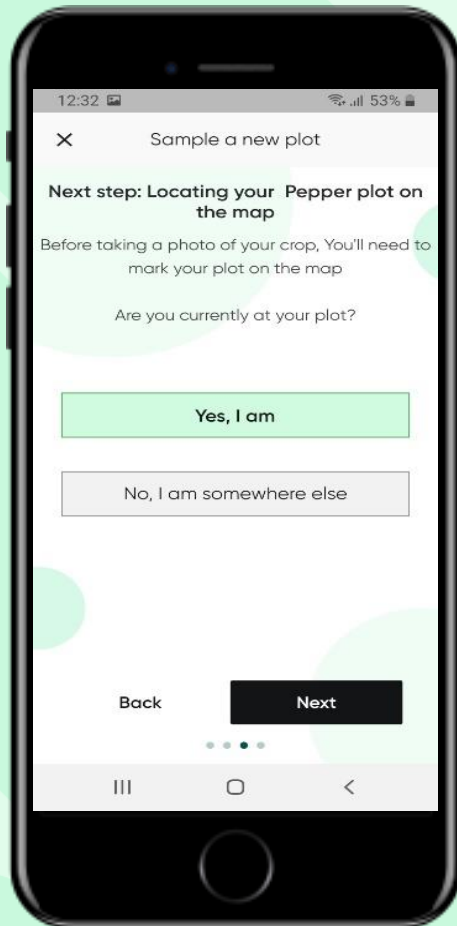
Note: Here we show the process of adding 1 crop. As described, by selecting more than 1 crop, the process outlined here will be automatically repeated.

Marking plot area

You have 2 options to define the plot for the selected crop, both are related to your current location:

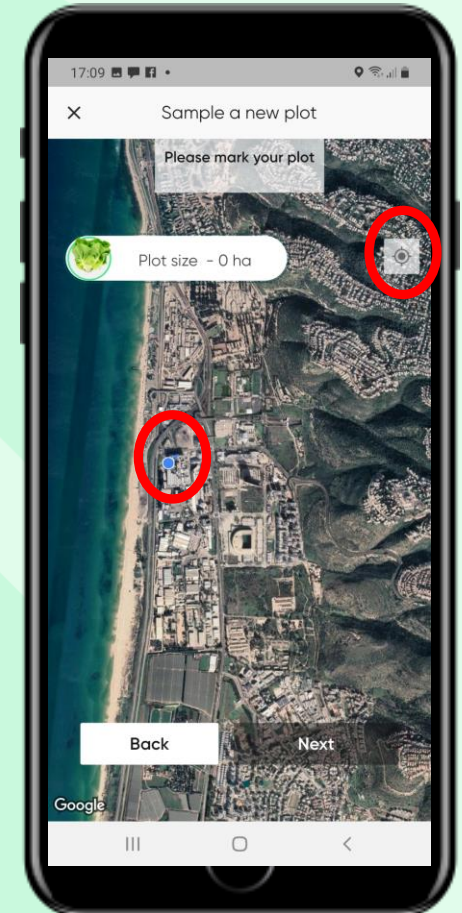
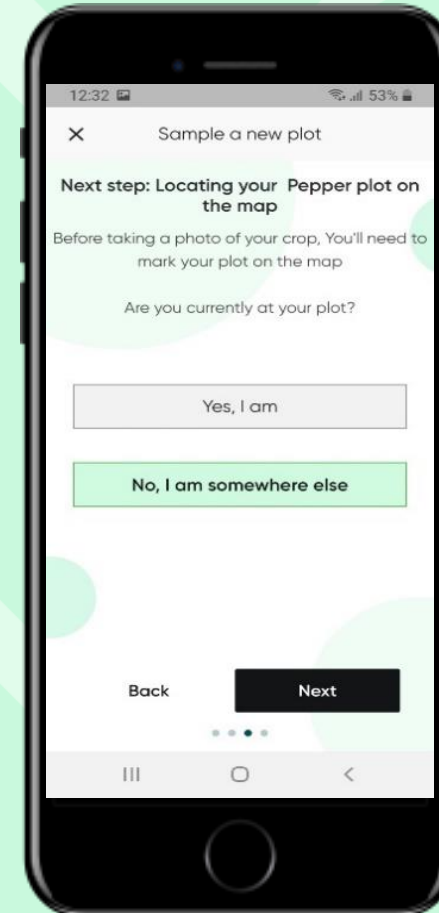
Option 1 – “at your field”

Google maps opens with a zoom-in view of your current location.



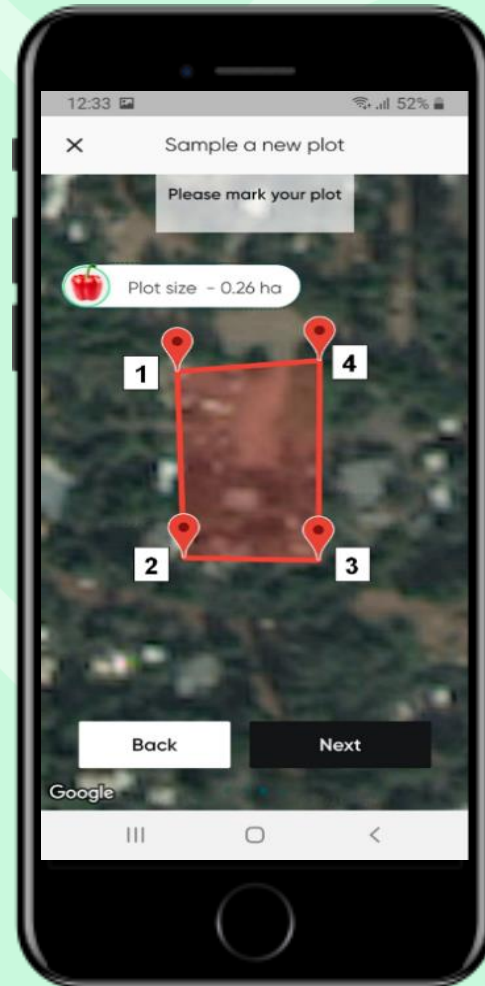
Option 2 – “somewhere else”

Google maps opens zoomed-out, to allow finding location. A blue marker (your exact location) and a relocation tab will assist in regaining location.

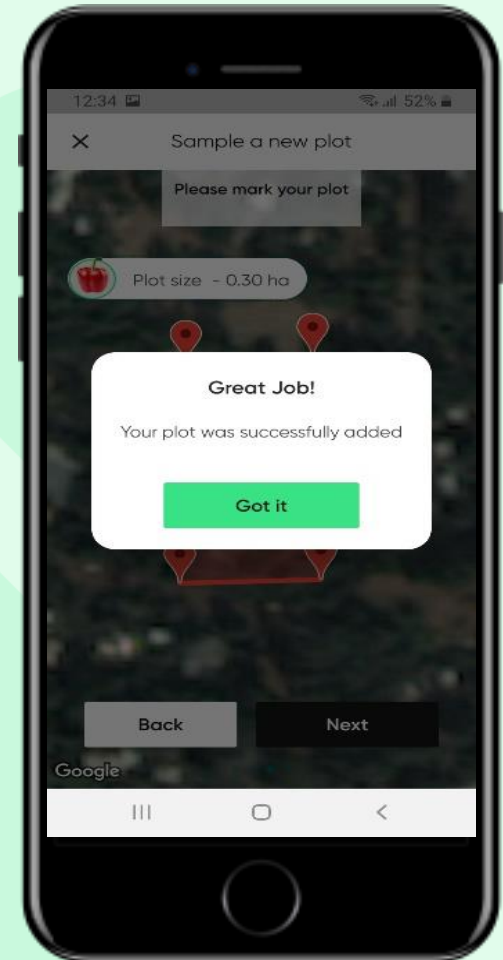


Marking plot area

- Use pins as shown to mark the corners of your plot
- You can mark 4 to 8 pins
- Use "Back" if you have problems defining the area and start over
- The plot size is calculated automatically



Tap "Got it"
to continue



Taking a picture

Basic guidelines:

- Make sure sufficient sun illumination
(At least 3 hours after sunrise and 3 hours before sunset)
- Point the camera down towards plant, avoid direct sunlight into camera.
- Avoid white/green background
- Make sure that the canopy employs at least 60% of the frame.



For better result, visit:

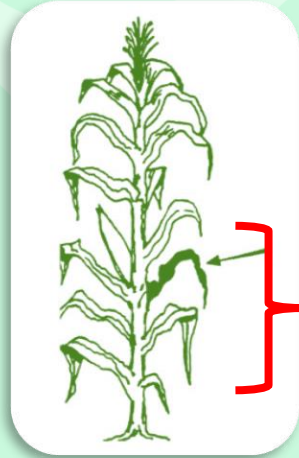
<https://www.youtube.com/watch?v=0prSplk5NxU>

Which leaves to Photograph

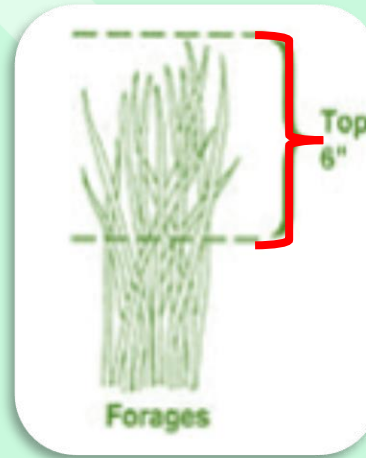
Young Maize



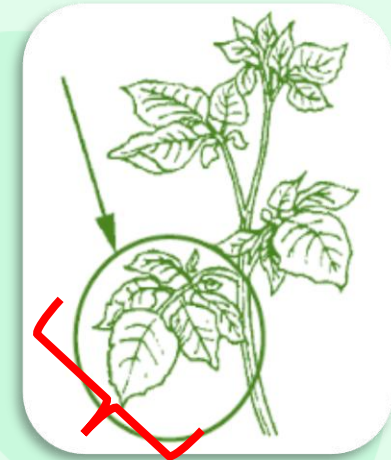
Older Maize



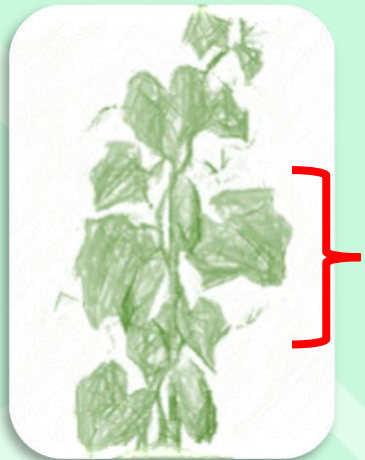
Rice , Wheat



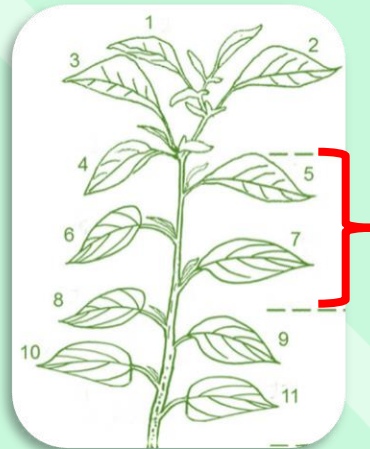
Cotan



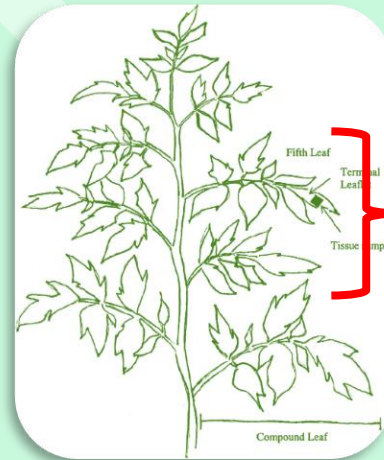
Cucumber



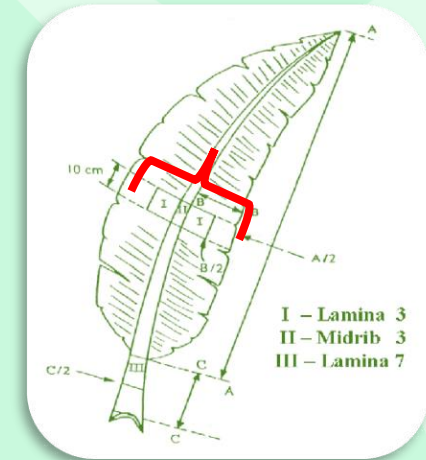
Pepper



Tomato



Banana



Which leaves to Photograph

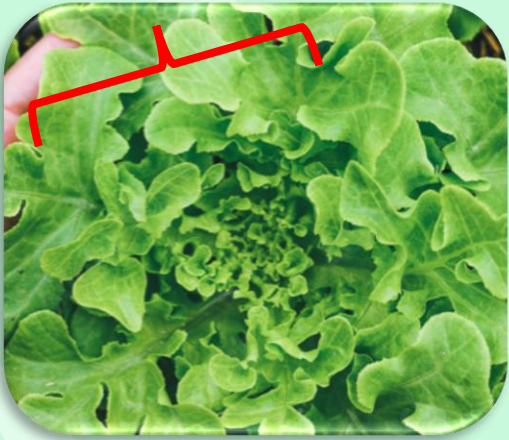
Carrot



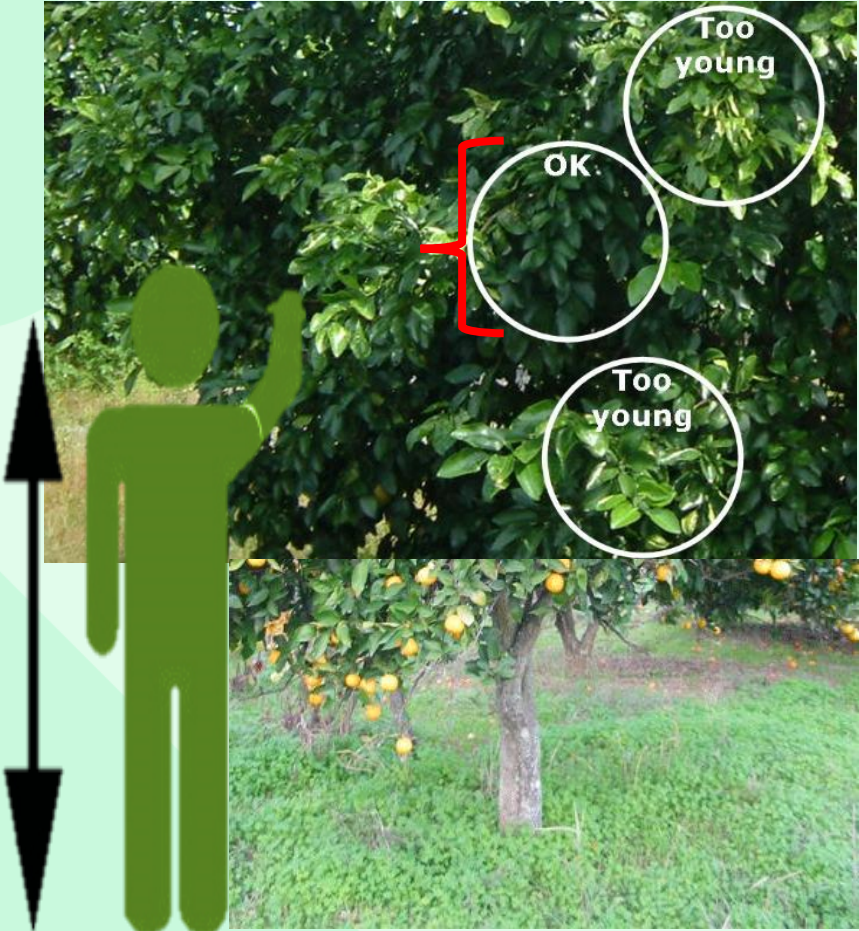
Potato



Lettuce

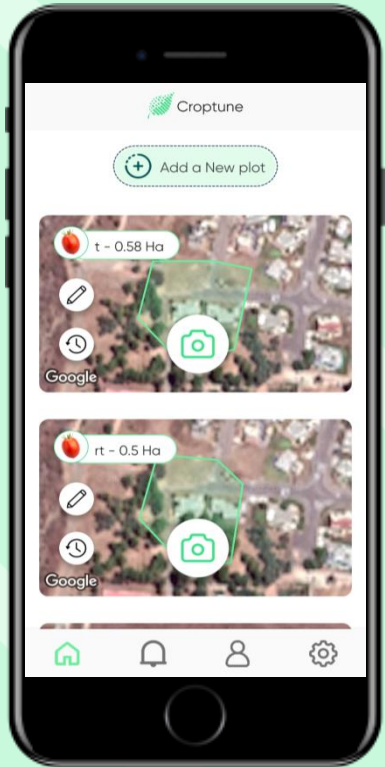


Onion

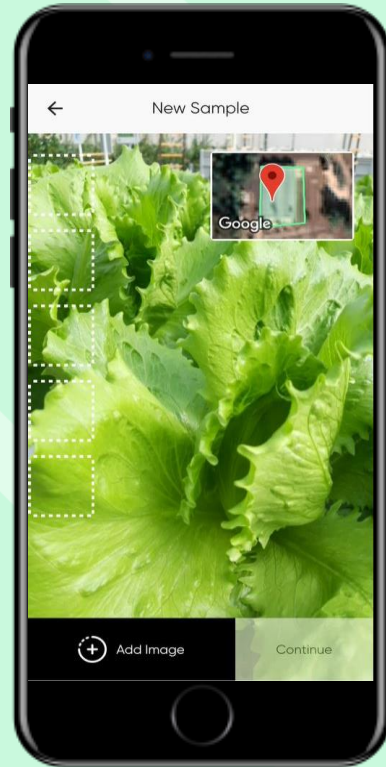


Citrus, Nectarine,
Peach, Pear,
Avocado, Cheery

Taking pictures



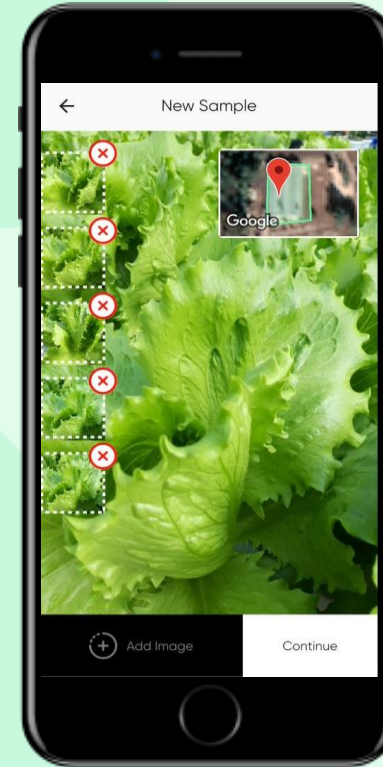
Make sure you are in the mark field and Tap "Take a new sample"



A live-view video opens. Get closer to the plant (at least 60% canopy) and tap "Add Image" to take a picture.

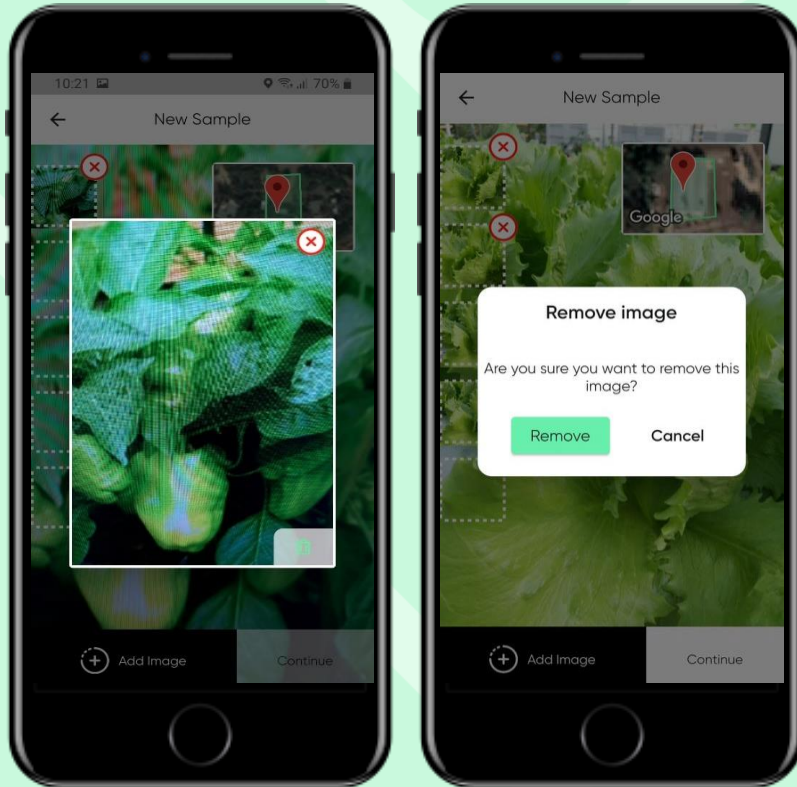


Images are moved to a gallery and live view is shown again. **Take 5 pictures**



NOTE: Once you click on **Add Image** the system will adjust and a picture will be taken **automatically**

Taking pictures



Tap on a picture in the gallery to enlarge it.

If you wish to delete the picture, tap on the X .

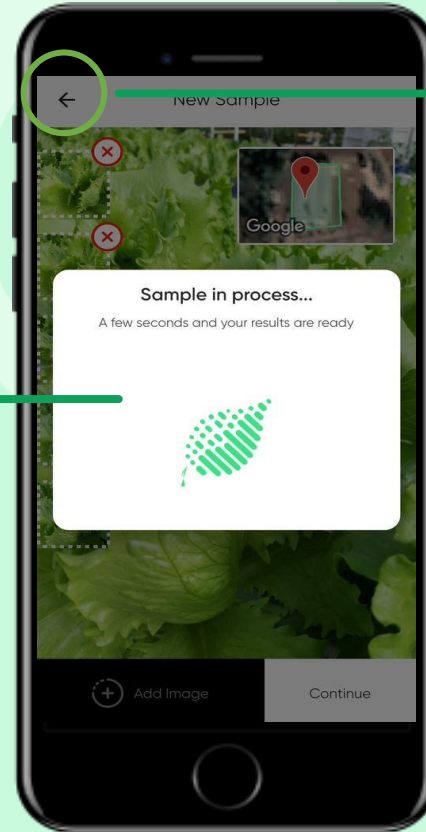
Deleted images will not be included in analysis.

Once done, tap **"Continue"**

Taking pictures

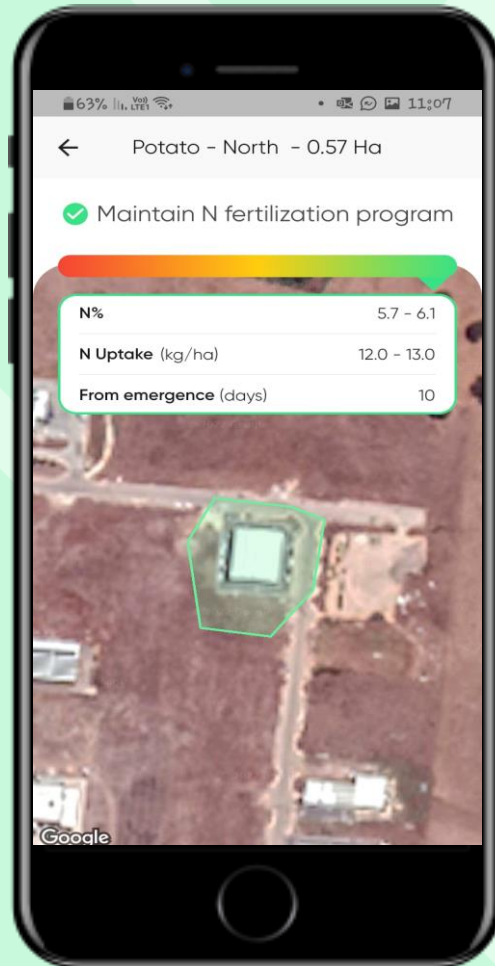
"Sample in process"

Appears while Croptune analyzes the data



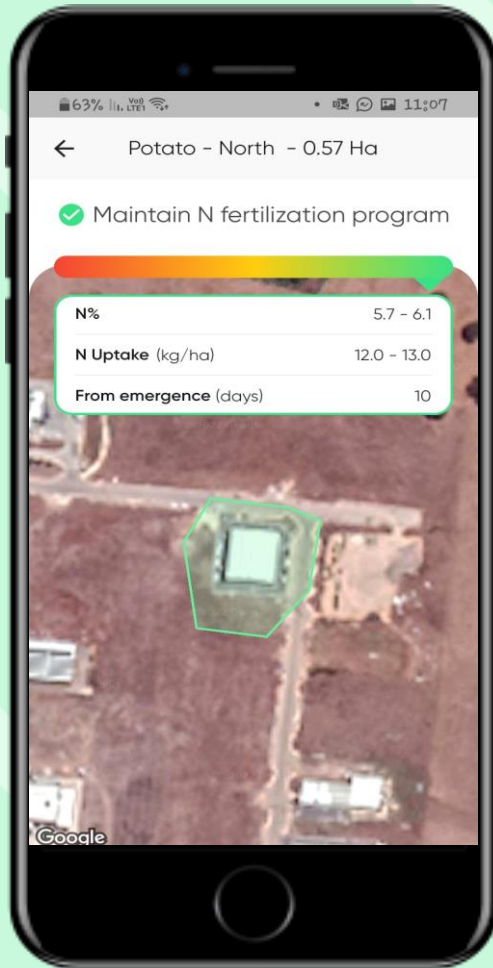
Note: You may use the **back** button to go back to the previous screen to start over.

Getting results



When the analysis is complete the result page is displayed. It shows the location of the field and the a red-to-green slider that indicated the results.

Results



Fertilizer must be added.

In this case results will include %N, N uptake and fertilization recommendations for N,P,K in kg/ha

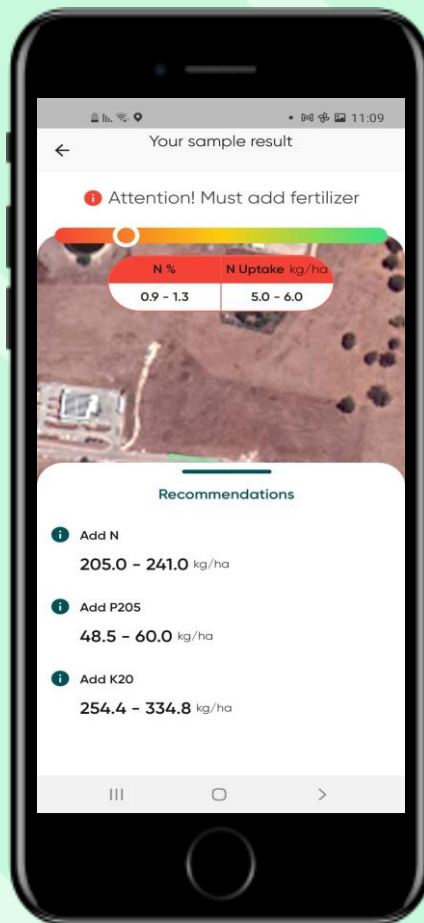
Consider adding fertilizer or follow-up.

In this case results will include %N, N uptake and fertilization recommendations for N,P,K in kg/ha

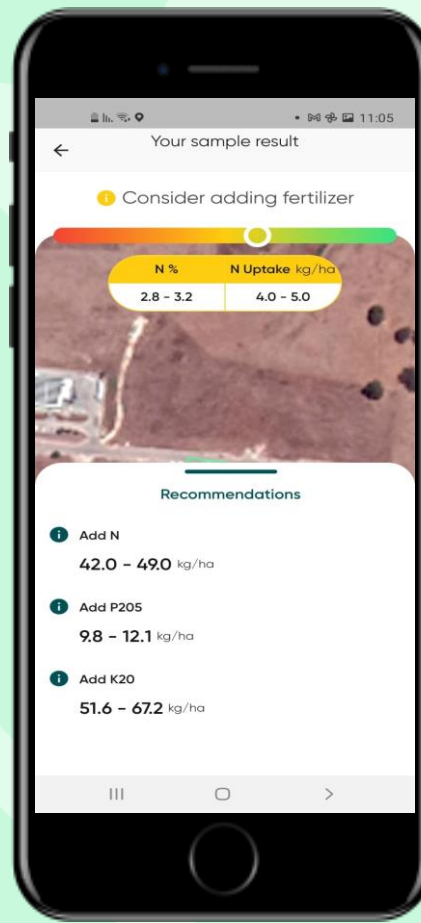
Maintain N fertilization program

A Green result will include %N and N uptake.

Results



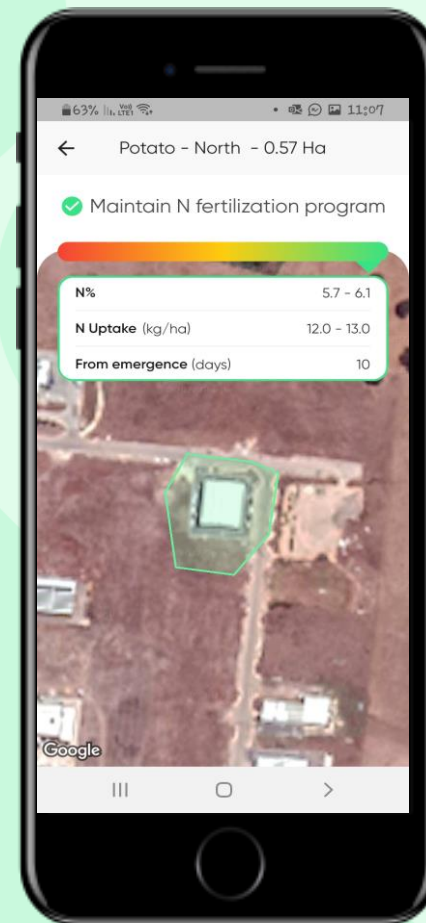
Red



Yellow

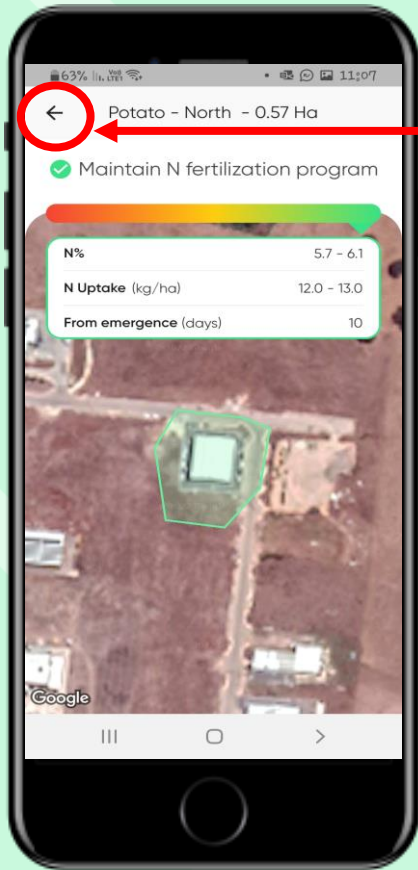


Yellow

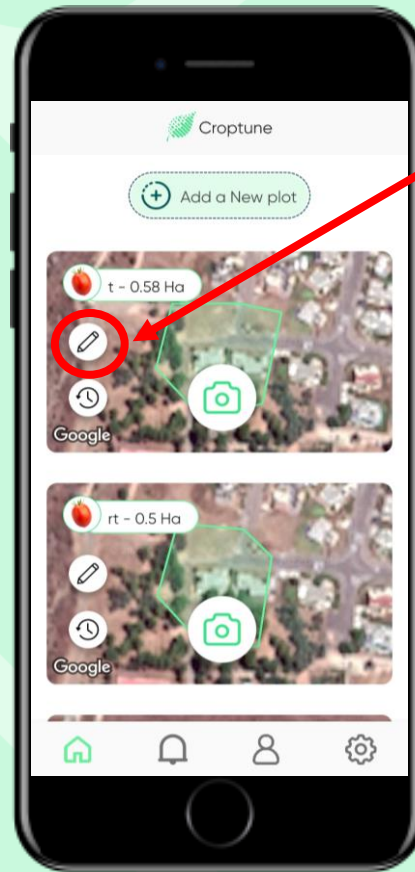


Green

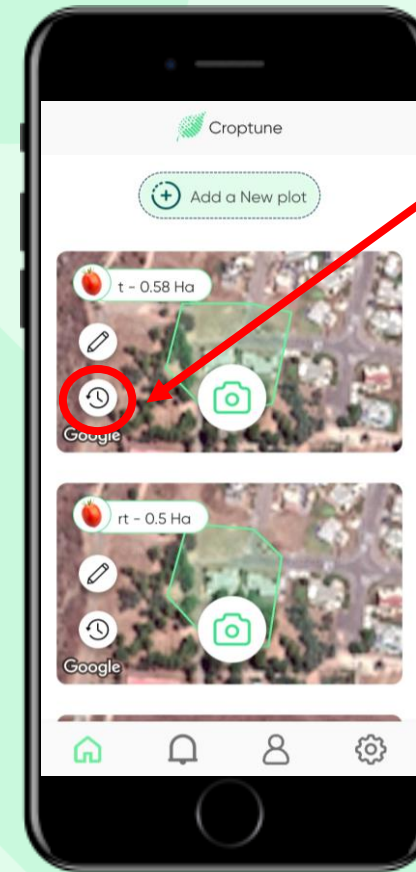
Storing and retrieving results



Tap the **back arrow** to return to the home page, where you will find results for all your fields.

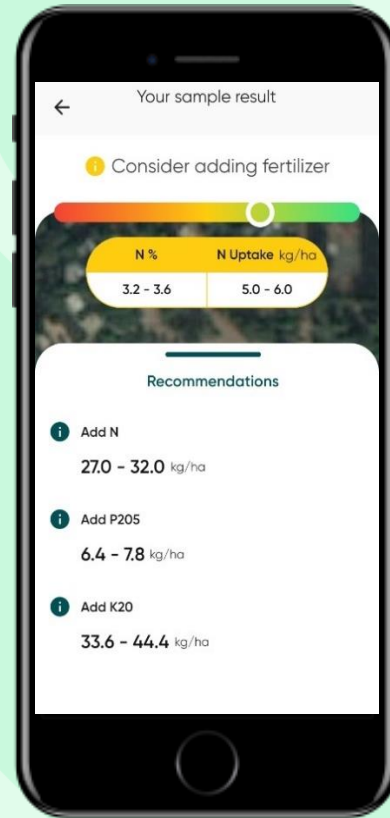
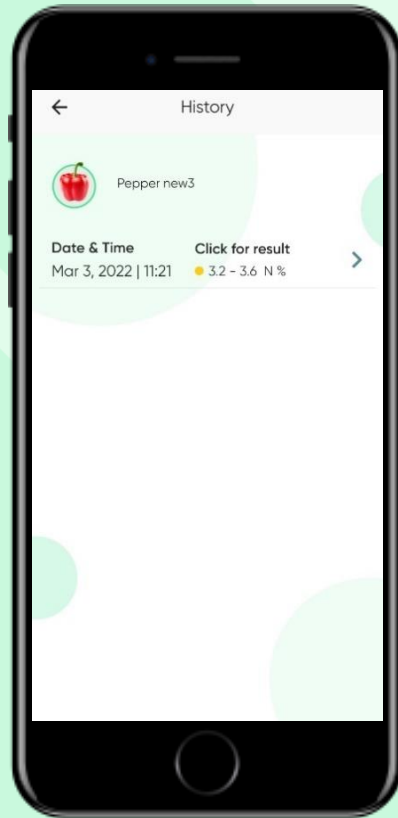


Tap the **pencil icon** to view and edit your plot data (apart from the crop and area size).



Tap the **clock icon** to view your results for the specific field. This will open a new screen with the date and results.

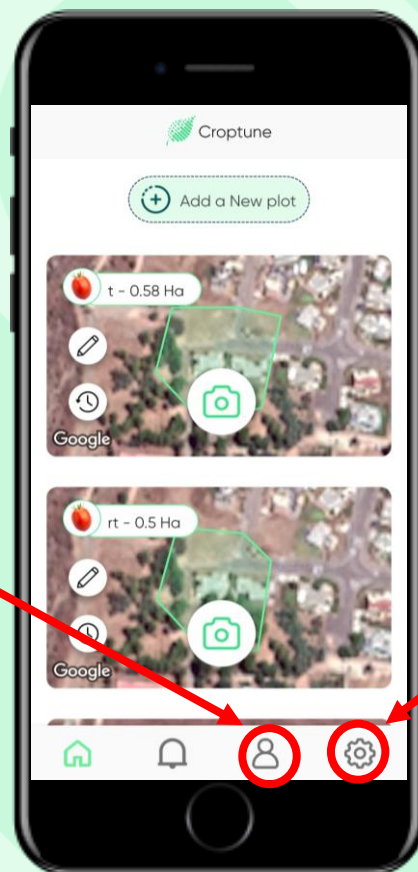
Results



By tapping on "Click for results" you return to the results main page.

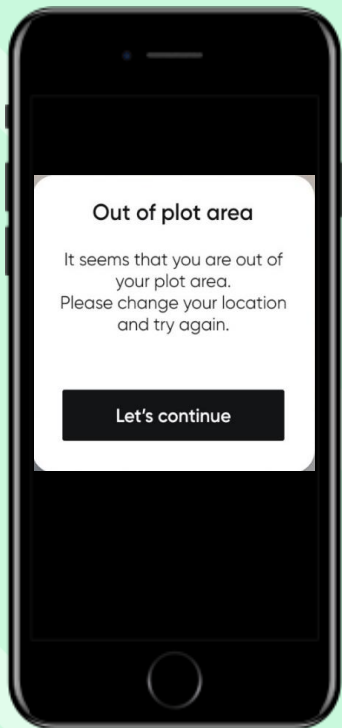
Main icons

Tap the **person icon** to view and edit your personal details



Tap the **wheel icon** to view and edit your personal settings or contact Croptune team

Popup messages



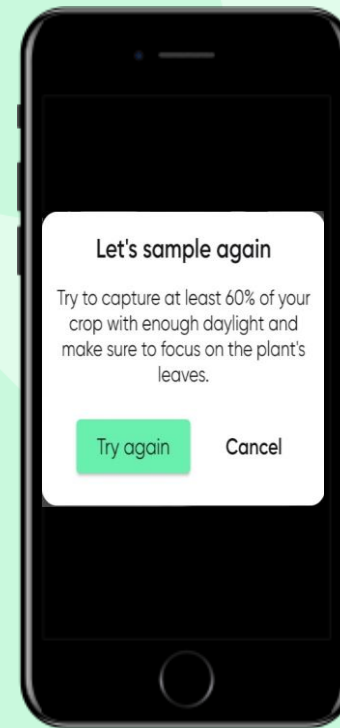
Out of plot area

In case you use Croptune to analyze a crop that is outside of the defined plot



No connection

As soon as your Wi-Fi or cellular connection is available, the samples will be received and the nitrogen analysis will be returned.



Sample again

Croptune captures images automatically, based on a set of parameters. In cases where these parameters are not fulfilled, you must sample again.



Cromptune™

Head over to [App Store](#) or [Google Play](#) to download Cromptune for free and start the thrilling journey toward a harvest rich in both yield and sustainability!

For any questions or assistance, our expert team is available at office@agriot.group



AGRIOT



Haifa