



Taking images to assist machine learning

Welcome!

Thank you for your interest in the BGANZ PlantSnap Initiative.

We are excited to be working with you on this global citizen scientist project and co-creating possibly the world's largest geo-located plant photos open-source database.

What is PlantSnap?

PlantSnap - Plant Identifier App is a technologically advanced (AI machine learning), comprehensive and easy-to-use plant identification app. The technology "learns" to recognize many types of plants from photographs that are submitted by users into the apps database.

PlantSnap can provide very accurate results, but it is also constantly learning and improving. The more photographs we can take to teach the app the better the app becomes in recognising different plant species.

We need your help!

To contribute to this citizen-science project and global initiative, we need you to do what you love, take photos of plants!

Contribution you make by providing photographs you take to the BGANZ PlantSnap initiative is invaluable. Plant photographs you provide will make a significant impact on the Apps capacity to identify plants across our region.

How to take images for purpose of machine learning

Good clear photos. If you take a picture of a field of mixed flowers, the app will not know which plant to identify', confusion species' creep into the frame. The app learning algorithm can pick up a lot of detail from a small area.

Some tips for success are:

- Get close to the flower or plant and center it in the photo frame
- Make sure that both the leaves and the flowers are in focus
- Don't take a picture of the whole plant!
- Don't have multiple plants in the photo frame
- If possible, isolate the plant from others to get good results
- Dark, blurred, and overexposed photos will make the plant look unnatural and this will make identification harder

What to avoid:

1. Plant is too close



2. Plant is too far



7. Flower with no leaves



8. Wilted damaged / flower



3. Flower not in focus



4. Leaf not in focus



9. Half of flower



10. Middle of leaf / flower



5. Sunlight / Direct light behind plant subject



6. Too many other plants in the photo





Your photos are yours!

Copyright and ownership of photos you submit to the training of the app remains with you.

Your photographs will only be used for the purpose of training the app machine learning algorithm, they will not be shared or viewed publicly.

If there is an opportunity to use your photographic work in the public domain, PlantSnap will seek your permission prior to publishing the photograph. In consultation with you, PlantSnap will acknowledge and attribute your creative work to you.

Getting started

Naming your files:

Commonly accepted scientific name would be fantastic! Feel free to include hybrids and cultivars.

As many photos are needed of the same plant we need to have a naming structure.

Please use the following naming conversion —

Genus species-1

Genus species-2

etc...

Uploading files:

Please provide your email address to us and we will send you a private link to a folder on Dropbox where you can upload your images.