

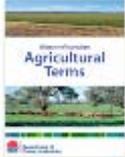
Cool Apps for Ecologists & Nat Res Mgrs

There are so many apps and cool tools available now for Australian ecologists, botanists, farmers, agronomists and natural resource managers. For a training course we developed and delivered recently the Android and iTunes stores were scoured for any apps that might be useful or simply an example of what is in development and can be achieved with mobile devices in the field.

We hope this list is useful and you find a few gems you did not already know about. Please do not hesitate to contact Jessica Grantley or Sharon Lehman of Hands on Nature to discuss any training or resource development needs you may have on info@handsonnature.com.au. Enjoy!

Downloading apps

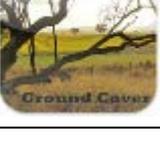
For iPhone and iPad apps, go to the app store or iTunes, search for the name and download onto your device. For Android apps, go to Google Play, search for the name and download onto your device.

Icon	App information	Approx Cost	iPhone	iPad	Android
	Fires Near Me NSW With your mobile device set to allow it to know your location, you can instantly see how close fires are to you. Updated information fed to this official app.	Free	✓	✓	✓
	Quickoffice Pro Create, view, edit and share Microsoft Office documents. Not as savvy as your laptop but handy none the less.	\$20	✓	✓	✓
	Glossary of Agriculture Just what it says – a list of agricultural terms alphabetically but also with a search box.	\$1	✓	✓	✓
	Glossary of Australian Agricultural Terms NSW Agriculture publication free.	Free	✓	✓	

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	Australian Birding Checklist Keep your lifelist of birds seen with some photos and additional info.	\$3			✓
	WildlifeID Australia Identify birds, fish, insects, lizards, shells around you. Photos missing and light on info but a good example of what is being developed. It's going to be <i>AWESOME!</i>	\$2			✓
	Morcombe's Birds of Australia Expensive but fantastic. Over 700 birds, photos, calls, descriptions, distribution maps. Like having a reference book in your pocket (with sound!)	\$30	✓	✓	✓
	ClimateWatch Record the seasonal behaviour you see in animals and plants and send it back (including photo if you take one). Images to help you ID species. Easy recording of species.	Free	✓		
	My Environment Free Federal Govt app – once the device knows your location, you will be shown a list of invasive species, protected areas, protected spp, weeds & more!	Free	✓	✓	
	Frog Croaker Awesome little app from Namoi CMA which uses your location to provide a list of frog species that might exist and has frog calls, photos etc. Log your sightings back.	Free	✓	✓	
	Frog Log From the Tasmania Parks & Wildlife Service. Some species that are found in our area, photos and calls.	\$1	✓	✓	
	Bird in the Hand Also from Tasmania Parks & Wildlife Service. About 50 Tasmanian birds, photos and calls.	Free	✓	✓	

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	Booderee Birds Federal government app showing Booderee National Park birds and walks. Inspiring and how apps can work for local conservation departments.	Free	✓	✓	
	Museum Victoria Field Guide to Victorian Fauna Detailed animal descriptions for all classes of animals, distribution maps, protection status and calls where available. Come on NSW this is fantastic!!	Free	✓	✓	
	What Bird Call is That? 101 bird calls with illustrations. It is anticipated this will be added to over time.	\$10		✓	
	LeafsnapHD This American app uses visual recognition software to identify leaves photographed with your mobile device on site. Not applicable for Aust species but cool.	Free	✓	✓	
	Australian Wildflowers Great app with over 500 species of wildflowers. Search by state, growth form, flower shape or colour, common or scientific name and more. A must have.	\$3	✓	✓	
	Weed ID: The Ute Guide Free app from the Grains Research & Development Corp to help field identify weeds in the southern and western parts of Australia.	Free	✓	✓	✓
	Botanical Field Guide Electronic version of the botanists hand guide to plant types, botanical terms, inflorescence details, leaf arrangements and much, much more.	\$7		✓	
	Ground Cover I have personally not been able to make this one work for me but another from the Namoi CMA that is designed to help farmers accurately assess ground cover of paddocks.	Free	✓	✓	✓

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Icon	App information	Approx Cost	iPhone	iPad	Android
	iGeology From the UK so not applicable but a great snapshot of what is on the way. How handy would this be in the field?! Come on Australia!!	Free	✓	✓	
	Plants Complete Reference Not rated very well (comment says “don’t bother, you can find more on Google) but check it out. Gotta love the social media nature of ratings systems! Not Australian.	\$2	✓	✓	
	My Soil Another UK app like iGeology where users can view a map of soils in their area including descriptions of soil depth, texture, pH, etc.	Free	✓	✓	
	AGRIplot Plot any area on a map. Walk around the field and add landmarks or drop pins on a map. AGRIplot calculates the area and provides distances between points.	Free	✓	✓	
	Precision Earth Perfect for agronomists – record growers, farm and paddocks then overlay soils, soil samples collected, maps, etc.	Free	✓	✓	

In addition to the above apps, make sure to search for things like *compass, thermometer, flashlight, stopwatch, voice recorder, calculator, Google Earth*, etc, etc to find, download and customise your mobile device with everything you could possibly need in the field. There are also many sustainability assessment and eco-footprint calculator apps available.

Many apps have a free version and a Pro version which generally costs money. As you know, you get what you pay for. Many free versions only have a portion of the app and/or adverts that pop-up at the most inopportune moment. The free (or lite versions) are great for getting an idea on whether you think the app will work for you or not.

The world of app development is such a fast-paced industry that there will be more on this list by tomorrow so keep checking and perhaps buy the occasional techno magazine to keep up to date on what is new. Cheers, Sharon Lehman & Jessica Grantley.