

# FREE & OPEN SOURCE GEOSPATIAL TOOLS

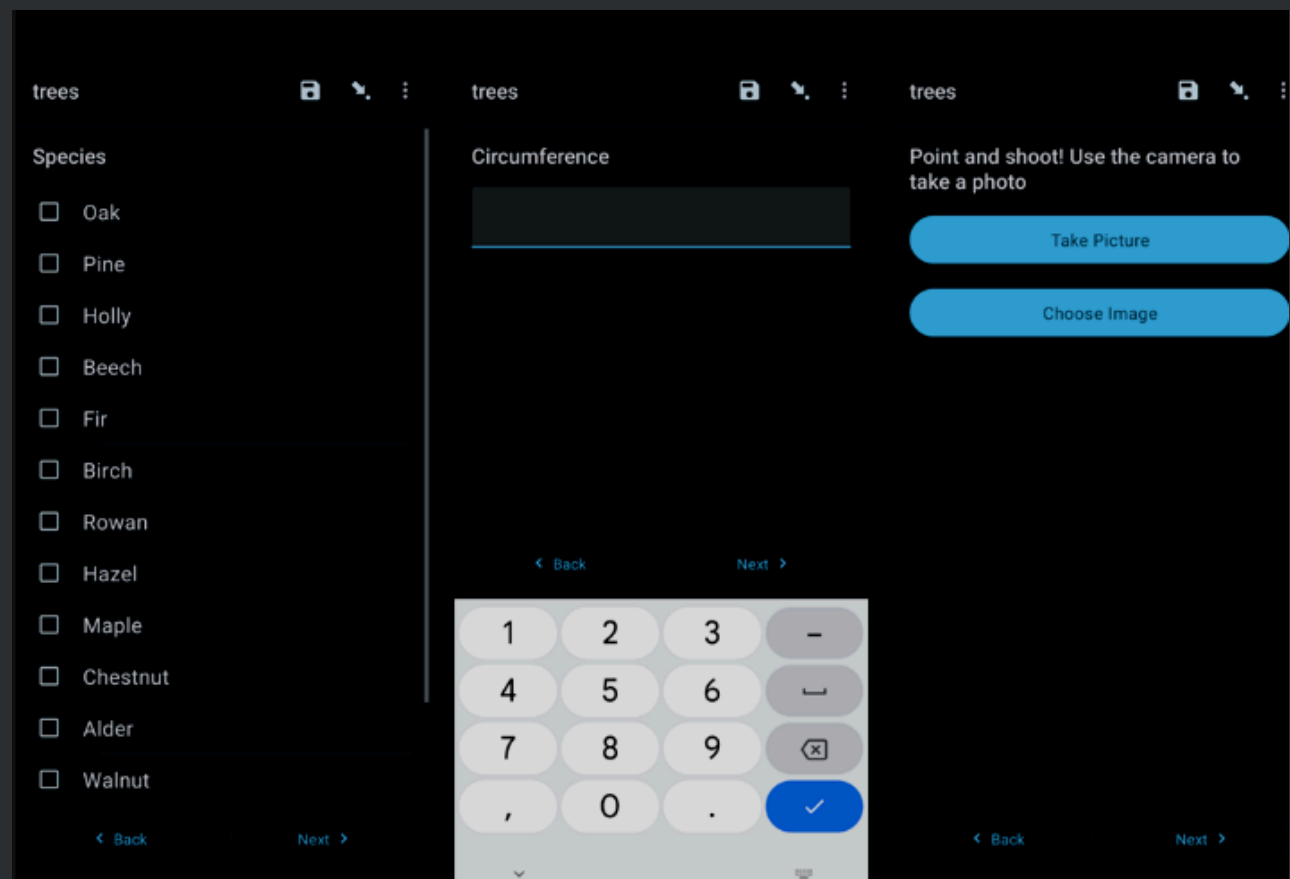
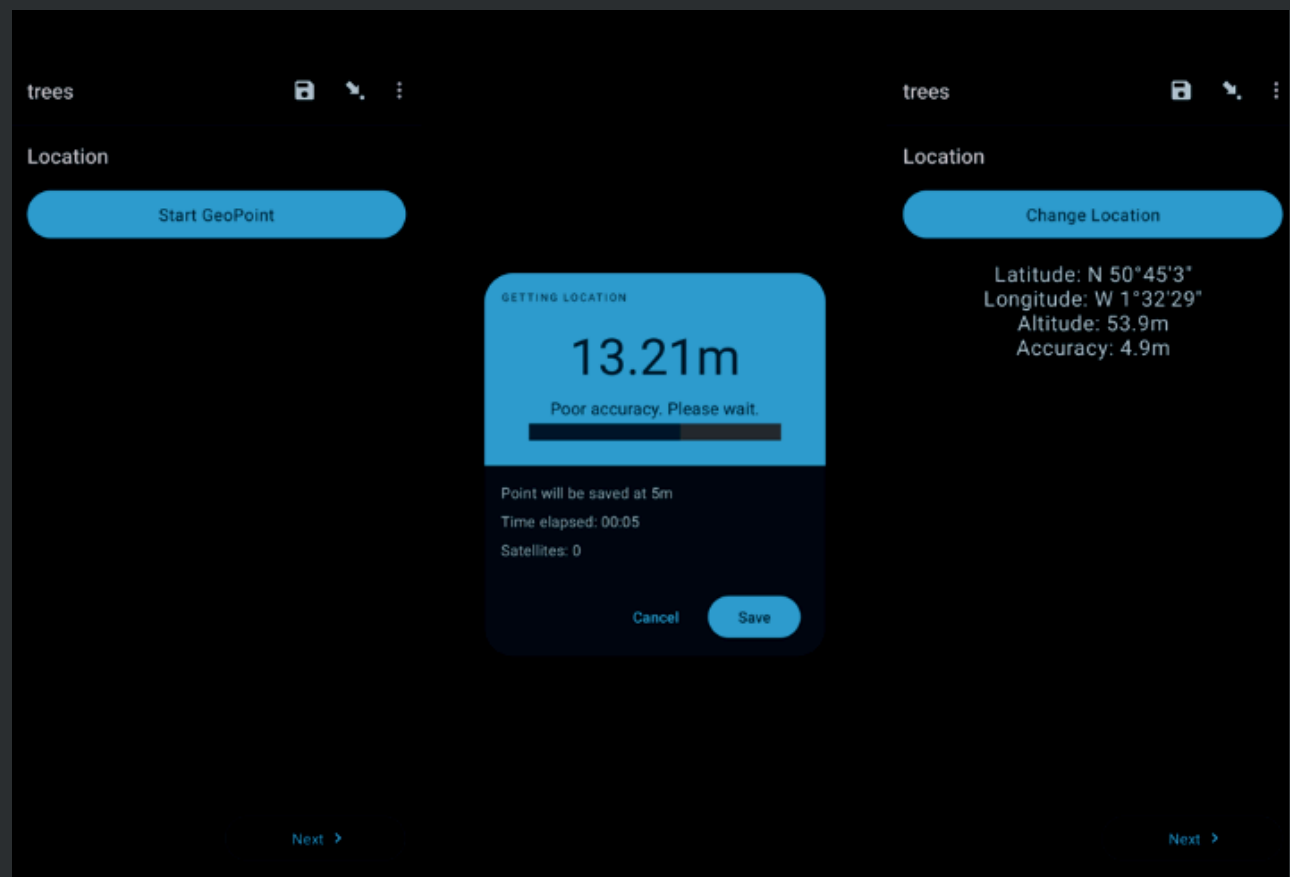
## Chp. 9 Field Tools

VANCE RUSSELL | 3POINT.XYZ

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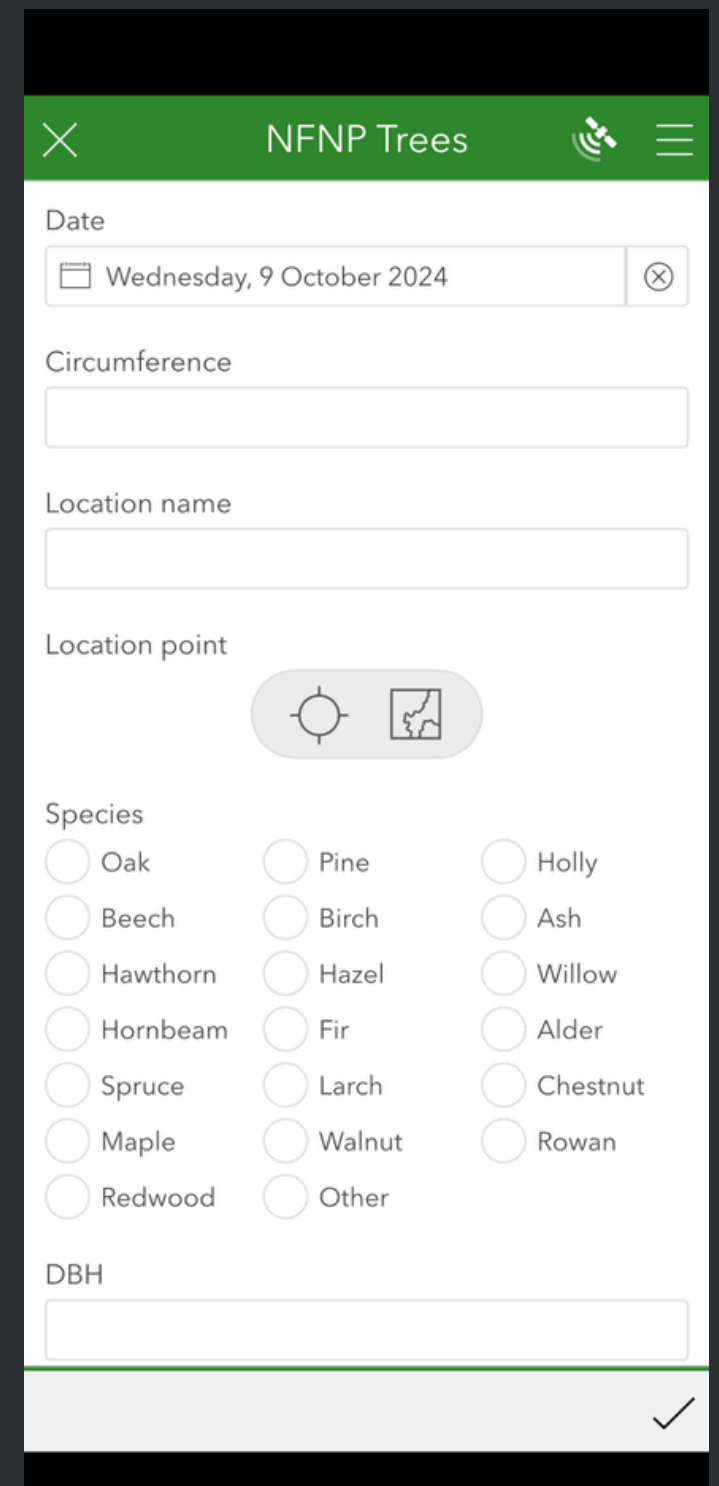
# Kobo Toolbox

A free app that many aid agencies use. It's very easy to set up, use, download data and connect to your geospatial analysis tools. Kobo Collect synchs to the cloud where project data storage is free.



# Survey 123

Widely used with Esri products and available if you have an ArcGIS Pro license. It is exceptionally easy to set up and use and synchs flawlessly with ArcGIS online and desktop software. I found Survey123 connected to the location point fastest of the three apps I tested in the field.



The screenshot shows the Survey123 mobile app interface for a form titled "NFNP Trees". The interface is clean and user-friendly, with a green header bar containing a close button (X), the title "NFNP Trees", and icons for signal strength and a menu. The form fields are as follows:

- Date:** A date picker showing "Wednesday, 9 October 2024" with a clear button (X).
- Circumference:** A text input field.
- Location name:** A text input field.
- Location point:** A section with two icons: a location pin and a map view icon.
- Species:** A grid of radio button options for tree species:

<input type="radio"/> Oak	<input type="radio"/> Pine	<input type="radio"/> Holly
<input type="radio"/> Beech	<input type="radio"/> Birch	<input type="radio"/> Ash
<input type="radio"/> Hawthorn	<input type="radio"/> Hazel	<input type="radio"/> Willow
<input type="radio"/> Hornbeam	<input type="radio"/> Fir	<input type="radio"/> Alder
<input type="radio"/> Spruce	<input type="radio"/> Larch	<input type="radio"/> Chestnut
<input type="radio"/> Maple	<input type="radio"/> Walnut	<input type="radio"/> Rowan
<input type="radio"/> Redwood	<input type="radio"/> Other	
- DBH:** A text input field.

A green checkmark icon is visible at the bottom right of the form, indicating a successful submission or completion.



QField

A mostly free app (charges for cloud data storage) connected to QGIS. It has a lot of potential but needs several changes to make set up and use easier.

Full chapter: <https://3point.xyz/geosp>