

## i-Tree Open Academy – Session 5 Q&A

**Q: Do all trees need to have the same attribute data collected, or can you mix and match?**

A: Species and DBH are always required. If selected during Project Definition, the following fields will always be required: Land Use, Total tree height, crown size, crown health, crown light exposure. See Fig 1.

**Q: What do we do if there is no weather station in our targeted city?**

A: You can select the nearest weather station that has precipitation data. If there is a weather station you want to include, you can submit it on the [i-Tree Database](#)

**Q: What size are plots in plot sampling?**

A: You enter the area for your plots.

**Q: Is there an optimal number of trees and plots for stratified plot sampling?**

A: Optimally, a stratified sample has at least 500 trees and 200 one-tenth acre plots – this will yield a standard error of about 10% for an estimate of an entire city.

**Q: If you select the city/state data do you still need to enter the number of acres?**

A: You must enter area information under ‘Project & Strata Area’ for any plot-based inventory. You do not need to do this for complete inventories.

**Q: How do we determine tree condition?**

A: We have information on measuring tree conditions in our [Field Manual](#). See Fig 2 for an example.

**Q: How accurate is i-Tree Eco outside of the US?**

A: We have adapted i-Tree Eco fully for countries searchable on our [Viable Locations](#) page. For other locations listed under the ‘user-submitted’ tab, it is only as accurate as the data provided. If anything raises red flags, you can reach out to us at [info@itreetools.org](mailto:info@itreetools.org). For further international considerations, you can look at our [i-Tree Eco International Page](#).

Enter project overview information and click OK to save it or Cancel to quit this process. OK Cancel

Project Settings Location Data Collection Options

What units will you be using during your data collection?  
 English  Metric *This option cannot be changed once a project has been created.*

**TREE INFORMATION**

**Minimum Requirements**

- Species
- DBH

Measured: \_\_\_\_\_

**General Site Fields**

- Tree address
- Land Use
- Strata/Area
  - Check this box if you know your project area.
  - See Project & Strata Area to configure description and area.
- Status
- Street tree/non-street tree
  - Default: non-street tree
- Map (GPS) coordinates
- Public/private
  - Default: Public

Define up to three additional fields and their values:

**Tree Detail Fields**

- Total tree height
- Crown size
  - Height to live-top
  - Height to crown base
  - Crown width
  - Percent crown missing
- Crown health
  - Dieback
  - Condition
- Crown light exposure
- Energy (building interactions)
  - Distance to building
  - Direction to building

**Management Fields**

- Maintenance recommended
- Maintenance task
- Sidewalk conflict
- Utility conflict
- Pests (PFD)
  - (Requires 5 fields for each of the following)
    - Sign & symptoms of tree stress
    - Sign & symptoms of foliage/twigs
    - Sign & symptoms of branches/bark
- User Tree ID
  - (Can be used to track custom tree ID)

Legend:  
■ These fields MUST be collected!  
■ These fields are optional and HIGHLY RECOMMENDED to improve model estimations.  
■ These fields are optional.

Figure 1: Blue fields, if selected, will be required for every tree.

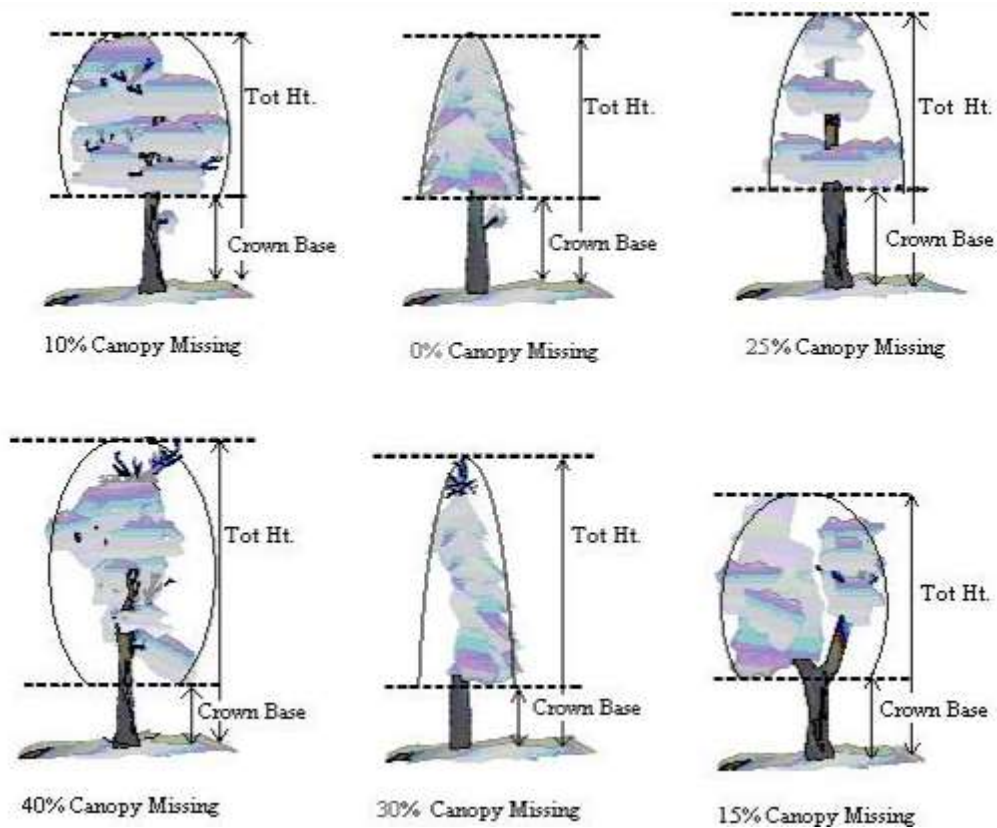


Figure 2: Measuring crown base, total height, and crown % missing.

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