

Tree Atlas Tool Procedure

1. Open the Tree Atlas
 - a. From the Data Tools page on the Student Climate Data website, click ‘Tree Atlas.’
2. Close the introductory pop-up window.
3. In order to more easily select a tree species for your study, click on the Table Header “Common Name” to sort that column in alphabetical order.

The screenshot shows the website header with the USDA logo, 'United States Department of Agriculture Forest Service', 'Climate Change Tree Atlas', and 'Northern Research Station'. Below the header is a navigation bar with links: 'Atlas Background', 'What's New', 'Citations', 'Credits', 'Atlas Help', and 'Other Links (DropDownMenu)'. A blue arrow points to the 'Atlas Background' link. Below the navigation bar is a table titled 'Table of 134 Tree Species:'. The table has columns for 'Reliability', 'Spp. #', 'Common Name', and 'Scientific Name'. The first three rows are: American basswood (951), American beech (531), and American chestnut (421). To the right of the table is a 'Model Reliability' legend with 'High' (green), 'Medium' (yellow), and 'Low' (red) indicators. Below the legend is a section titled '134 Species Combined/Compared' with a 'Combined Species' button. A blue arrow points to the 'Common Name' column header in the table.

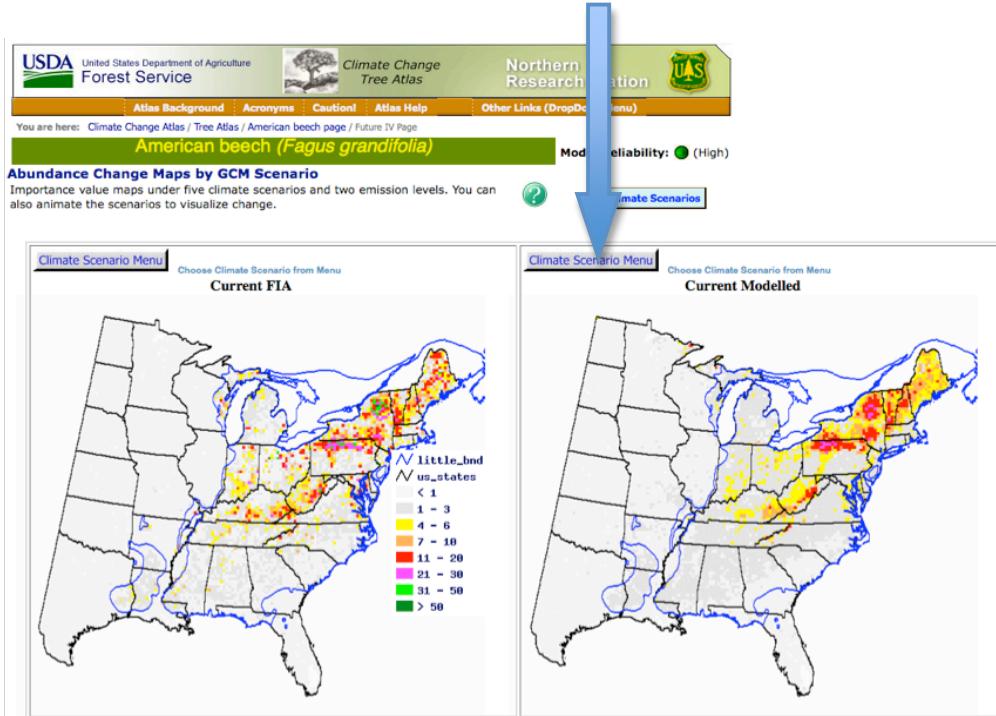
Reliability	Spp. #	Common Name	Scientific Name
Medium	951	American basswood	<i>Tilia americana</i>
High	531	American beech	<i>Fagus grandifolia</i>
Medium	421	American chestnut	<i>Castanea dentata</i>

Atlas Navigation Bar
If lost at anytime, click “Tree Atlas” on navigation bar to return here.

4. Select a tree species of interest by clicking on its common or scientific name.
5. This will return a screen that gives you the several options for investigation. In the Modelled Future Habitat dialogue box select “Abundance Change Maps”.

The screenshot shows the species page for 'American beech (Fagus grandifolia)'. The page has a header with the USDA logo and 'Northern Research Station'. Below the header is a navigation bar with links: 'Tree Atlas Page', 'Atlas Background', 'Acronyms', 'Caution!', 'Help', and 'Other Links (DropDownMenu)'. The main content area is divided into sections: 'Species Information' (Family: Fagaceae, Guild: persistent, slow-growing understory tolerant, Functional Lifeform: medium-size to large deciduous), 'External Species Links' (Silvics Manual, Plant Photos, Google Earth), and 'Research Products (IMPORTANT: Read this first)'. The 'Research Products' section is divided into two columns: 'Current Distribution' and 'Modelled Future Habitat'. The 'Modelled Future Habitat' column has a blue arrow pointing to the 'Abundance Change Maps' button.

- In order to produce side-by-side comparison maps of current and future habitat suitability for the species in question, you need to select a Climate Model and Emission Scenario for one of the maps. The left plot shows the current habitat suitability for your species (aka Current FIA). In order to compare current and future habitat suitability, change the climate scenario for the other plot by holding the cursor over the top left button entitled “Climate Scenario Menu” and scrolling/selecting to “Avg of 3-high”.



- The resulting side-by-side comparison maps illustrate the current and future habitat suitability for the species in question in the Northeast.
- Once you have completed your study of one individual tree species, then study a different tree species of interest (click on “Tree Atlas” in the blue “You Are Here” address bar to return to step #3 of this procedure).

