

Citizens Restoring American Chestnuts Citizen Science Research Project

Instructions for Mapping and Graphing Chestnut Data in FieldScope

Use these instructions to map and graph Citizens Restoring American Chestnuts data in FieldScope. Contact Cassie Doty with any questions (cdoty@umces.edu or 301.689.7134).

VIEW AND CREATE MAPS OF CHESTNUT DATA

1. Go to <http://chestnuts2.fieldscope.org> and log in.
2. Click on the "Map Data" tab at the top of the page.
3. View a pre-made map of all the chestnut trees in the project displayed by height.
 - Click on the "Map of Trees by Height (in inches) icon "Get started with these maps:" in the middle left of the page.
 - The map will open with an information box explaining the map: "Zoom in to see finer levels of detail and individual trees. Click a circle to see the data table of full information."
 - Click the "I" in the upper right corner to close the information box. To reopen the information box later, click the "I" again.
 - Explore the map.
 - Move it by clicking on it, holding down your mouse button, and dragging your mouse in the desired direction. Zoom in or out on your map using "+" or "-" in the lower right corner of the map. As you zoom in, dots representing individual trees will become visible. Click on a dot for information on that tree.
 - Click **Filter** and enter your selections to create a filter to view a desired subset of the data points. For example, you can display data according to tree height greater than 100 inches. Click **Add**.
 - Use the tools at the left to adjust what you see in your map.
 - Explore the map data table.
 - Click in the box next to "Table" above the map to display all the data for all the observations.
 - Sort data in the table by clicking on a column heading.
 - Save the map by clicking the computer disc icon in the upper right corner to save the map or download a snapshot of it.
4. Create your own map of chestnut tree data.
 - Click on the "Map Data" tab at the top of the page.
 - Click the orange "create your own map >" text near the top of the page.
 - Click in the box above your desired Base Map to select it, and then click **Next**.
 - The only available Data Source is "American Chestnuts," which is selected (checked) by default.
 - If desired, select "Date Filter Options."
 - You may filter data by value (e.g., all chestnuts planted in dry soil), area (e.g, county) or date (e.g., all observations made after 1/1/18).
 - Filters will appear in a list at the right of the page. You may delete them or make them inactive or active as desired.
 - Click **Next**.
 - Select desired "Observation Display Options," and then click **Next**.
 - Select up to two Boundaries, Physical Geography, and/or Human Geography layers to overlay onto the basemap if desired by clicking in the box above the desired layer(s).
 - Click **Next**.
 - Explore the map and its data table and save the map if desired as described in Step 3 above.

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VIEW AND CREATE MAPS OF CHESTNUT DATA

1. Go to <http://chestnuts2.fieldscope.org> and log in.
2. Click on the "Graph Data" tab at the top of the page.
3. Click the orange "start from beginning >" text near the top of the page.
4. Select the variables.
 - The only available Data Source is "American Chestnuts," which is selected (checked) by default.
 - Select the variable you wish to graph (e.g. tree height and soil moisture).
 - Select the desired type of graph.
 - Click **Next**.
5. If desired, select filters for the data.
 - You may filter data by value (e.g., all chestnuts planted in dry soil), area (e.g, county), by date (e.g., all observations made after 1/1/18), or by observer (e.g., "myself" or "other users").
 - Filters will appear in a list at the right of the page. You may delete them or make them inactive or active as desired.
 - Click **Next**.
6. Define axes and labels, and click **Next**.
7. View the graph.
 - Show/hide its legend by clicking on the text link in the upper right corner of the graph.
 - Click in the box next to "Map" or "Data Table" above the graph to display the map or all the data for all the observations in the graph, respectively.
8. Save the graph by clicking the computer disc icon in the upper right corner to save the map or download a snapshot of it.