

Landscape Requirements Calculator Instructions

All of the cells where input is required are colored/shaded light yellow and are specified below.

1. Cell D2: Input the total square footage of the building(s) in Cell D2. If the structure is single story and over 20 feet tall, double the square footage of the building.
2. Cell D3: The total number of caliper inches required for landscaping will calculate in Cell D3 based on the square footage.
3. Cells B8 – B13, Cells C8 – C13, and Cells D6 – D13: Insert the **number of trees** to be planted in Cells B8 – B13 for deciduous trees, C8 – C13 for coniferous trees, and D6-D13 for the understory (ornamental) trees. The number of caliper inches to be planted on the site will be calculated based on the number of trees input in these cells.
 - a. Cells C12 and C13 only count toward tree replacement and are shaded grey/green to make note of this.
 - b. No more than eighty percent (80%) of trees may be of the minimum size requirement, which is calculated in Cell B20. The number of trees proposed to be planted at minimum size is calculated in Cell B18. Cell B18 cannot be greater than Cell B20 unless tree replacement is also required. If tree replacement is required, the value in Cell D18 cannot be greater than Cell B20.
 - c. Understory trees may make up no more than 20% of the total landscape caliper inches required. Formulas will pull from either Cell D15 or D16 for the total understory inches, whichever is less.
4. Cell J6: Insert the total number of shrubs planted in Cell J6. **Shrubs are counted here and cannot be counted as part of planting bed or parking island dimensions.**
5. Cell J12: Insert the total square footage of all planting beds and planting containers on the site in Cell J12, **subtracting any square footage dedicated to shrubs**. Ornamental and native grasses should be included in planting bed calculations.
6. Cell M12: Insert the total square footage of all parking islands on the site in Cell M12, **subtracting any square footage dedicated to shrubs**. Ornamental and native grasses should be included in parking island calculations.
7. Shrubs, planting beds, and parking islands may make up between 10 and 25% of the total landscape caliper inches required. Formulas will pull from either Cell J16 or J20 for the total number of inches, whichever is less.
8. Cell I3: The total number of caliper inches counted toward landscaping requirements will calculate in Cell I3. Any qualifying inches over the required number of inches (Cell D3) will be counted toward tree replacement (if required) in Cell M3.

Tree Replacement Calculator Instructions

All of the cells where input is required are colored/shaded light yellow and are specified below.

1. Cell D1: Input the total caliper inches of significant trees on the site in Cell D1. A significant tree is any living deciduous tree (except elm, willow, box elder, and aspen) measuring at least 12 and less than 32 inches in Diameter, or a living coniferous tree measuring at least 8 and less than 24 inches in Diameter.
 - a. If there are no significant trees onsite, input 1 in Cell D1. This will not add anything to your replacement inches, it is a placeholder to ensure the formulas work correctly.
2. Cell D3: Input the total caliper inches of significant trees to be removed from the site in Cell D3.
3. Cell D6: Input the total caliper inches of heritage trees on the site in Cell D6. A heritage tree is any living deciduous tree (except cottonwood, elm, willow, box elder, and aspen) measuring 32 inches in Diameter or greater, or a living coniferous tree measuring 24 inches in Diameter or greater.
4. Cell D7: Input the total caliper inches of heritage trees to be removed from the site in Cell D7.
5. Cell C12: At least 20% of trees planted for Heritage tree replacement must be at least 4 inches in diameter or 9 feet in height. This is calculated in Cell C12 based on the information input in the Landscape Requirements Tab. If no Heritage trees were removed from this site, this cell can be ignored.
6. Cell L6: The total number of replacement inches required will calculate in Cell L6.
7. Cell L8: The total inches of tree replacement provided on the site will populate in Cell L8 based on the information input in the Landscape Requirements Tab.
 - a. Cells D12 and D13 in the Landscape Requirements Tab only count toward tree replacement and are shaded grey/green to make note of this. These cells also count toward Heritage tree replacement requirements.

The Totals Tab provides a clear calculation of the total caliper inches required for both landscaping and tree replacement and the total number of inches planted on the site. It also includes a calculation of “what the site feels like”, which includes any shrubs, planting beds, parking islands, or ornamental trees on the site above and beyond the code specifications.