Hartland Park

Lexington, Kentucky

116 trees

22 species

3701 Kenesaw Dr, Lexington, KY 40515

Paved trails

Bus stops for #3 & #18 within 1 mile of the park

Nearby bike route

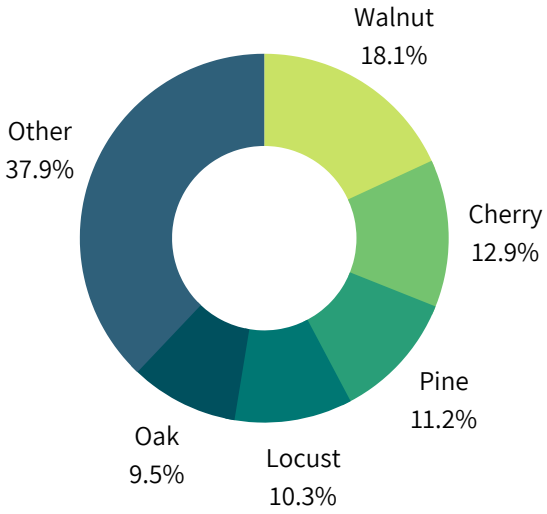
Background

In May 2022, the University of Kentucky Urban Forest Initiative (UFI) team mapped trees in Hartland Park as part of our Climate Adaptation Project. This is a summary of our findings.

About the Trees

Hartland Park is a large park in the Hartland neighborhood featuring two ponds and a "Bring Back the Bluegrass" site. Planted trees are scattered throughout the park. The park is dominated by walnut, cherry, and pine. The canopy would benefit from the addition of young trees of varying species, as well as improved planting and tree care practices.

Hartland Park Top 5 Tree Genera



Why Trees?

Urban forests are vital resources for **climate change mitigation** (the slowing down of climate change through carbon capture, emissions reduction, etc.) and **adaptation** (the ability of our cities to withstand the impacts of climate change). Hartland Park provides **17.1 acres of trees and greenspace** for the residents of Lexington's **8th District**. As such, it is an important part of Lexington's urban forest, providing numerous **ecosystem services** to the city and helping to **prepare Lexington for climate change.**

Overall Health

Species Diversity

Size Diversity

Climate Resilience

Annual tree benefits ... and growing!

63,331 gallons of stormwater captured

2,145 ounces of pollution removed

5,199 pounds of carbon sequestered

$1,214 annual monetary benefits

Learn more about trees in your local park and what they do for you!

Most Common Species in Hartland Park*

*based on 116 trees inventoried in 2022.


black walnut


black cherry


white pine


black locust


pin oak

Need help identifying trees? Try reaching out to your local extension agent! Many great resources can also be found at https://forestry.ca.uky.edu/tree_id. Photos courtesy of Janet James.

Considerations for Hartland Park

- Hartland Park trees are in **fair health**, providing many tree benefits to the community such as shade, cooling, and carbon sequestration. The **most common health issue** was **rotting** along the root flares of trees.
- With some species representing more than 10% of the trees in the park, Hartland Park has **fair species diversity,** and needs **more diverse species** to **protect the canopy** from species-specific pathogens and other threats.
- Hartland Park has **poor size diversity**, and could benefit from **more small trees**, especially young trees of species capable of growing into larger sizes.
- As the **climate changes**, some tree species may no longer thrive here in Kentucky, including **40% of trees in Hartland Park**. Most of the park's trees, such as black walnut, are not vulnerable to these changes, but others, such as white pine, are more sensitive to changing climate, making the park **mildly vulnerable.**
- Note that trees bordering the ponds and growing in the Bring Back the Bluegrass sites were not inventoried.

Managing for Climate Resilience in Hartland Park

- Continue to practice proper **tree care**, including **watering, pruning**, and **mulching** regularly. Visit this website to learn more about good tree care practices and resources: https://tree-health.ca.uky.edu/tree-care
- Plant **diverse tree species that can grow to large tree sizes** to improve tree canopy **regeneration** and **resilience**. As older trees in the park inevitably die, younger trees will grow up to take their place.
- Plant **climate resilient tree species** in appropriate sites that can **meet the needs of that species** to build a tree canopy capable of **withstanding changing climate.** Check out the climate resilience of trees you are interested in planting using this website: https://www.fs.usda.gov/ccrc/tool/climate-change-tree-atlas

v1.0 August 2022