

# Woodland Park

Lexington, Kentucky

429 trees

115 species



601 E High St, Lexington, KY 40502

- Paved sidewalks
- Bus stops for #1, #3, #11, #16, & #51 within 0.5 miles of the park. Transit Center within 1 mile.
- Nearby bike route

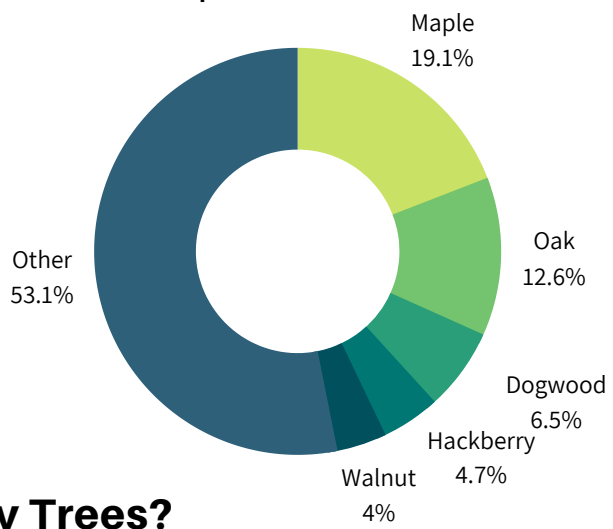
## Background

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

## About the Trees

Woodland Park is a large park in the Aylesford neighborhood, featuring many large, old trees. The most common trees in the park maples and oaks. The tree canopy is in good overall health and shows good size and species diversity. Woodland Park could benefit from more young trees of species capable of growing into large sizes to help round out the tree canopy.

### Woodland 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). Woodland Park provides **19.4 acres of trees and greenspace** for the residents of Lexington's 3rd 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**  
Good

**Species Diversity**  
Excellent

**Size Diversity**  
Good

**Climate Resilience**  
Fair

# Annual tree benefits ... and growing!

**211,609**  
gallons of stormwater captured

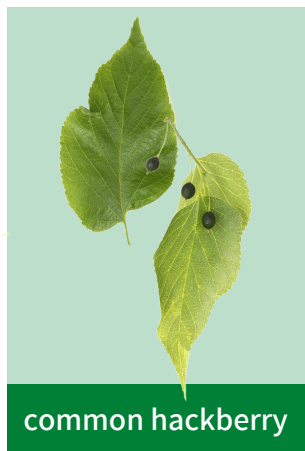
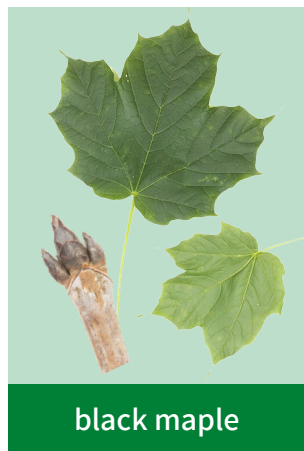
**7,336**  
ounces of pollution removed

**14,211**  
pounds of carbon sequestered

**\$3,814**  
annual monetary benefits

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

## Most Common Species in Woodland Park\* \*based on 429 trees inventoried in 2022.



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](https://forestry.ca.uky.edu/tree_id). Photos courtesy of Janet James.



## Considerations for Woodland Park

- Woodland Park trees are in **good health**, providing many tree benefits to the community such as shade, cooling, and carbon sequestration. The **most common health issue** was **wood decay** on larger trees.
- With no one species representing more than 10% of the trees in the park, Woodland Park has **excellent species diversity**, **protecting the canopy** from species-specific pathogens and other threats.
- Woodland Park has **good size diversity**, but it 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 **30% of trees in Woodland Park**. Most of the park's trees, such as common hackberry, are not vulnerable to these changes, but others, such as white pine, are more sensitive to changing climate, making the park **mildly vulnerable**.



## Managing for Climate Resilience in Woodland 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>

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