

# DUKES 4 TREES

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	2023 / March 31 / Walk 13	
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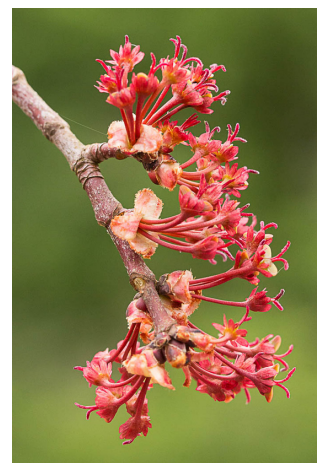
TOP - Red maple tree's male flowers with long stamens covered in yellow pollen. (Ed Kanze)

BOTTOM RIGHT - Red maple tree's female flowers with long stigmas extended to catch pollen. (Ed Kanze)

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## The unnoticed flowers of spring...

All broad leaved trees and shrubs produce flowers. Many of these plants' blooms are often overlooked as they can be quite small or do not look very flower-like or because they bloom up in the canopy where we can't see them. These overlooked tree and shrub blooms are often wind pollinated, so they do not need the attractive colors that insect pollinated blooms typically display. The red maple can produce all male flowers, all female flowers or some of both. Once the female flower is wind pollinated, it produces fruit - winged samaras or "helicopters".



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# First Spring Blooms on Campus

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## Sugar maple



Sugar maple male & female flowers (MN Wildflowers)

## American elm



American elm flower and developing fruit (Friedman)

## Eastern redbud



Eastern redbud's pink edible flowers (Ray Mathews)

## American serviceberry



Progression of serviceberry buds to flowers (Virginia Working Landscapes - SCBI)

## Flowering cherry (non-native)



L to R: Yoshino cherry, Kwanzan cherry and Sweet cherry (Virginia Tech Dendro and Arbor Day Foundation)

## Magnolia tree species



Top L to R: Anise magnolia (Adrienne Legault), Cucumbertree (R.W. Smith) and Star magnolia (JMU Tree Inventory)  
Bottom Left: Saucer magnolia (JMU Tree Inventory)

Other early spring tree and shrub blooms on campus include: Paperbush, Cornelian cherry dogwood, Korean azalea, Tree Peony, Lily of the Valley, Higan cherry and Callery pear (which is a highly invasive tree).