

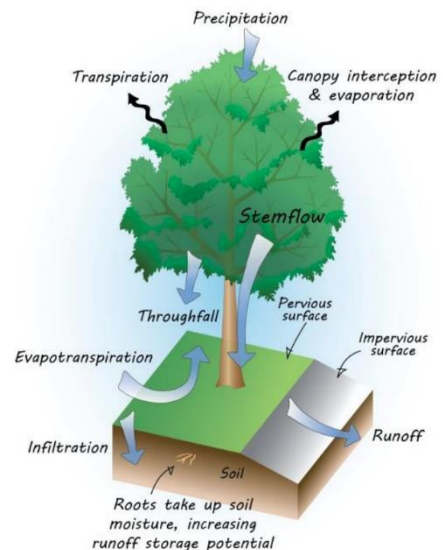


More Trees Please!

Poems have been written about trees and the beauty they provide to landscapes, yards and homes. But trees aren't just pretty, they're pretty with a purpose. In addition to providing shade, habitat, and giving off the oxygen that we need to breathe, trees play critical roles in controlling stormwater runoff and protecting surface waters from sediment and nutrient loading.

In more populated or residential areas, and just in general, trees can play an important role in stormwater management by reducing the amount of runoff that enters stormwater and combined sewer systems. Trees, acting as mini-reservoirs, control stormwater at the source. Here are just a few ways trees can reduce runoff:

- **Transpiration**—Trees draw large quantities of water from the soil for use in photosynthesis. The water is eventually released into the atmosphere as vapor from the canopy.
- **Interception**—Leaves, branches, and trunk surfaces intercept and absorb rainfall, reducing the amount of water that reaches the ground, delaying the onset and reducing the volume of peak flows
- **Reduced Throughfall**—Tree canopies reduce soil erosion by diminishing the volume and velocity of rainfall as it falls through the canopy, lessening the impact of raindrops on barren surfaces.
- **Increased Infiltration**—Root growth and decomposition increase soil infiltration capacity and rate.
- **Phytoremediation**—Along with water, trees take up trace amounts of harmful chemicals, including metals, organic compounds, fuels, and solvents from the soil. Inside the tree, these chemicals may be transformed into less harmful substances, used as nutrients and/or stored in roots, stems, and leaves.



(Stormwater to Street Trees: Engineering Urban Forests for Stormwater Management (EPA 841 B 13 001))

Each year, Miami Soil and Water Conservation District holds a Tree Seedling Sale. If you'd like to learn more about what trees might work best in your yard, please feel free to call them at 937/335-7645. The ordering window opens January 3rd through March 10th.

There are over 21 tree species and 6 perennial species from which to choose. Please go to the website found at www.miamiswcd.org to see the order form and the description and again, please call or stop by their offices at 1330 N. County Road 25A, Troy with any questions. Pick up day for the 2023 Tree Seedling & Perennial Sale will be APRIL 4th from 2PM-6PM and APRIL 5th from 8AM to 6PM at the Duke Lundgard Building on the Miami County Fairgrounds, Troy.