

Long-term Effects of Tree Injections in Ash Trees Treated for emerald Ash Borer – Abigail Tumino

There are several treatment approaches to mitigate the impacts of emerald ash borer on overall tree health. Tree injection of emamectin benzoate into the inner wood on a two- to three-year cycle is commonly used and has the greatest efficacy. Despite the wide-spread use of tree injections to treat ash trees, the long-term effects of tree injection on damage to wood is not well studied, particularly the potential consequences to repeated injections over time. This study investigated long-term effects of tree injection on wood using ash trees that have been repeatedly treated with emamectin benzoate.

Presenter Bio –

Abigail Tumino is a Research Assistant at The Morton Arboretum in Lisle, IL. Abby received her B.S. from DePaul University and in 2020 completed her M.S. in Biology studying the relationship between mast seeding and an defoliating insect outbreak. Abby has conducted research on tree biology and urban forestry as well as worked in natural resource management.