

Mark Webber's
Arboricultural & Horticultural Consultancy LLC.
Expert-arborist.com



Mark A. Webber, BCMA, C.P.H., LTE, MArborA, MCIHort, OCMNT, R.C.A., TPAQ, TRAQ
Senior Consulting Arborist and Horticulturist

Background

Mark A. Webber holds a Bachelor of Science in Agriculture and nineteen different certifications, qualifications, accreditations, and licensures in the fields of arboriculture and horticulture. Most notably, Mr. Webber is a Registered Consulting Arborist, Board-Certified Master Arborist, and a Certified Professional Horticulturist with over forty-seven-plus years of relevant professional experience.

Mr. Webber provides investigations, reports, and testimony in matters related to tree condition, maintenance, removal and agricultural as well as horticultural matters. His expertise includes the management of nursery, arboricultural and horticultural, and agricultural operations, dendrochronology, pesticide use, crop and tree injuries due to biotic and abiotic conditions, appraisals of damaged crops, trees, and plants, tree failures, and tree failures due to biotic and abiotic conditions, and an assortment of agricultural, arboricultural and horticultural issues. Mr. Webber is an admitted member of approximately thirty-two industry organizations, including the American Society of Consulting Arborists, Chartered Institute of Horticulture, International Dendrology Society, Tree-Ring Society, American Phytopathological Society, and the OSHA (Occupational Safety and Health Administration) Small Business Advocacy Review Panel for Tree Care Industry Rules. Mr. Webber has been a court-qualified expert witness in his field in the state courts of Ohio, Massachusetts, Michigan, New Jersey, New York, North Dakota, Pennsylvania, Washington, and California. Mr. Webber has also been qualified to testify in Federal Court proceedings.

Mr. Webber has been working at farms and nurseries since 1975. He remains active in his industry by serving on various committees and boards and as the Founder/Co-owner of an arboricultural and horticultural firm. In this capacity, he often provides a full range of technical assistance regarding various arboricultural, apiculture, agricultural, dendrochronological and horticultural assignments. Mr. Webber often provides tree evaluations, tree risk assessments, plant inventories, and lawn care, weed and pest control advice to clients. Additional services include professional opinions regarding drainage improvements, soil health and nutrient levels, root system location and management, tree management during construction, retaining wall installation, consulting,

Contact Information

Toll Free 888.298.3973

Fax 937.835.3382

Direct 937.604.2291

mwebber@expert-arborist.com

8730 Cincinnati Dayton Road

Suite 873

West Chester, Ohio 45069-9998

and other related areas. Mr. Webber has worked as a Research Assistant for the BASF Corporation involving fungicides, insecticides, and herbicides trials on a diverse assortment of economically important agricultural and horticultural crops. He also served as an Apiary (Honeybee) Technician for The Ohio State University.

Mr. Webber earned an Associate Degree in Applied Science and a Bachelor of Science Degree in Agriculture with a major in Horticultural Science with a minor in Agricultural Economics, both from The Ohio State University. He is designated as a Board-Certified Master Arborist by the International Society of Arboriculture and is a Tree Risk Assessment Qualified Arborist. Mr. Webber is a Master Nursery Technician by the Ohio Nursery & Landscape Association. He is designated as a MArborA by the United Kingdom's Arboricultural Association. Mr. Webber is also a New Jersey Licensed Tree Expert (LTE #639) and is a Licensed Arborist in multiple states. The American Society of Horticultural Science board has designated Mr. Webber as a Certified Professional Horticulturist. Mr. Webber is admitted member of the Chartered Institute of Horticulture in the United Kingdom. The Chartered Institute of Horticulture has designated Mr. Webber as an MCIHort. Mark is admitted to the American Society of Consulting Arborists (ASCA). ASCA has credentialed Mr. Webber as a Tree & Plant Qualified Appraiser (TPAQ) and Registered Consulting Arborist (RCA) #706.

Examples of Professional Engagements¹

- Tree Damage and Liability
 - Lightning-damaged trees – Indiana, Ohio, Pennsylvania, and Michigan (1998-present).
 - Tree and landscape damage from vehicles – Indiana, Ohio, Pennsylvania, and Michigan (1998-present).
 - The fire-injured trees and landscaping assets – Ohio (1998-present).
 - Improper landscape installations – Indiana and Ohio (2000-present).
 - Flood-injured trees – Ohio (2010).
 - Tree damage from underground blasting – Ohio (2010).
 - Tree damage from underground drilling – Ohio (2010).
 - Lead injuries to plants and trees – Ohio (2012).
 - Tree failure and personal injury – Ohio (2017).
 - Tree loss due to root damage and valuation based upon canopy credits – New York (2018).
 - Tree failure and two deaths – New Jersey (2017).
 - Traffic control device covered by tree branches that results in a vehicle collision – Florida (2017).
 - Tree failure and one death – Ohio (2017).
 - Tree branch failure causing injuries – Illinois (2017).
 - Tree damage caused by fence post-installation – Ohio (2017).
 - Tree loss and root destruction due to stump grinding – Ohio (2017).

¹ Not all matters listed.

- Improper pruning damage to trees – New Jersey (2017).
- Tornado damages trees and landscaping – Ohio (2019).
- A man sustained injury that resulted in his death when he pulled on a partially cut tree branch that fell on him – Florida (2018).
- Tropical tree and habitat losses – Florida (2020).
- Forrest destruction – Ohio (1997).
- Vandalism to trees and plants – Ohio (2013).
- Man crushed to death by an uprooted tree that fell on him – New Jersey (2016).
- Man hit by vehicle after a tree failed and caused a power outage—New Jersey (2017).
- Fire damaged trees and vegetation—Texas (2020).
- Fire damage trees and vegetation—New Mexico (2020).
- Flower seed viability—Tanzania (2020).
- Tree damaged from pipeline vegetation management—Ohio (2020).
- Tree root encroachment into the underground gas pipeline—Ohio (2020).
- Running bamboo and underground pipe and hardscape damage—Virginia (2020).
- Tree root causing city sewer pipe blockage—Ohio (2020).
- Fruit tree orchard damaged by pressurized coal mine water— Illinois (2021)
- Tree loss of 250-year-old Oak trees-Ohio (2021)
- Tree damaged by a fence contractor at an amusement park—Texas (2021)
- Potato crop damage from seed potatoes exposed to high storage temperatures—California (2021)
- Tree fails and disrupts electrical services that results in a traffic fatality –Indiana (2021)
- Conducting Tree Risk Assessments for an Ohio municipality. (2021)
- Verification of tree inspection data of an alleged Asian Longhorn Beetle infested trees—Ohio (2021)
- Tree's critical root plate failure due to construction excavation. —Ohio (2021)
- Tree valuation as a result of vegetation clearance for an underground pipeline. —Ohio (2021)
- Redwood tree valuation. —California (2021)
- Tree Risk Assessment of an Elementary School Playground. — Ohio (2021)
- Tobacco Leaf Wrapper Species Analysis. —Honduras (2021)
- Pea /Forage Crop Casualty Claim as a result of cattle grazing. —Montana (2021)
- Zoning Dispute with a Horticultural Operation. —Ohio (2021)
- 600-year-Old Oak tree risk assessment. —Ohio (2021)
- Oak tree loss claim. —Texas (2021)
- Tree root intrusion & value claim regarding pipeline right of way. — Ohio (2021)
- Ash Tree Assessment for a municipality in Ohio (2021)
- Silver Maple tree risk assessment—Ohio (2021)
- Tree preservation plan for a large land development project—Ohio (2021)
- Tree preservation management for the National Park Service as part of a property renovation project— Ohio (2021-2023)
- Underground pipeline tree inspection and appraisal—Ohio (2021)

- Pipeline installation company damages structural root plate of an Elm tree—Ohio (2021)
- Tree Appraisal of a damaged property as the result of a housing development—Washington State (2021)
- Wildlife management contractor damages another property owners' tree—Ohio (2021)
- Bermuda grass at a golf course allegedly loss due to ice formation crushing the plants—Texas (2021)
- Redwood Tree valuation after fire event—California (2021)
- Agricultural field rendered allegedly unusable by pallet storage—Ohio (2021)
- Alleged light exposure causes Cannabis crop to become hermaphroditic—Colorado. (2021)
- Dendrochronology analysis of Cottonwood and Green Ash trees involving position of the Yellowstone River in 1895—North Dakota. (2021)
- Tree removal contractor allegedly removes 1000+ trees and property owner make the claim of 2-million-dollar claim in tree damages—Ohio. (2021)
- Providing consultations to an Ohio township regarding zoning violations involving trees and vegetation alongside roadways—Ohio. (2022)
- Appraisal of trees being taken by a municipality by eminent domain—Ohio (2022)
- Alleged Pecan tree irreversibly damaged and its appraisal—Texas (2022)
- Hackberry tree collapses and damages three dwelling and two personal injuries—Kentucky (2022) Powder Post Beetle Damage to Kitchen Cabinets—California (2022)
- Alleged tree root damage to porch foundation--South Carolina (2022)
- Tree damage assessment and appraisal of 400+ Oak trees involving electrical transmission system clearance. —Texas (2022)
- Tree damage assessment of scrub Oak's by adjoining property owner—Utah (2022)
- Oak tree failure in a campground that causes a fatality—South Carolina (2022)
- Live Oak tree's damaged when an underground utility line is installed —Texas (2022)
- Pine tree's top fails and strikes a motorist—South Carolina (2022)
- Live Oak's co-dominate limb fails and strikes a dwelling—Tennessee (2022)
- Powder post beetles damage kitchen cabinets—California (2022)
- Tree crew leaves a storm-stricken tree in a roadway that causes a vehicular fatality—Indiana (2022)
- 2 million damage claims involving the accidental removal of a Post Oak—Texas (2022)
- Utility sues a communication company for alleged vegetation management expenses—Illinois (2022)
- Landscape contractor's client makes the alleged claim that the contractor caused plants to perish do to the introduction of Verticillium Wilt disease—California 2022
- Production Nursery Fire Damage Valuation—California 2022
- Tree failure causes fatality—Ohio 2023
- Property owner ledges that their neighbor removed trees that are valued in excess of \$200,000.00-- Pennsylvania 2023
- Landscape and tree damage from a vehicle—Kentucky 2023
- Tree's lethally and sublethal dosed with Triclopyr—Missouri 2023
- Loblolly pine (Pinus taeda) tree fails at its roots and damages a building—Alabama 2023

- The alleged claim that a Birch tree was catastrophically damaged when a water line was installed— Washington 2023
- A landscape worker bumps a lawn lower into a tree, and limb falls from the tree causes his injury-- Connecticut 2023
- Neighbor trespasses and destroys trees—Ohio 2024
- Conifer fails on transmission conductor and causes a system-wide outage and injuries—Minnesota 2024
- Tree roots are damaged and the municipality claims the tree is worth \$250,000.00—California 2024
- Tree failure that causes a failure of a transmission conductor—New Mexico 2024
- Determined if tree fragments were associated with two different wildfire event that occurred 5 years prior—California 2024
- Property damage due to wildfire and federally protected mammal habitat restoration claim—Colorado 2024
- Tree damage due to wildfire—Montana-2024
- A property owner claims that they are growing a forest for timber harvest—Ohio 2024
- Tree failure causes a power outage and personal injuries—Minnesota 2024
- Tree removal operation causes an alleged loss of \$100,000 in property damages-Tennessee 2024
- Tree Damage and Lost—Ohio 2024
- Ash (Fraxinus species) fails and injuries three minors—Indiana 2024
- Wildfire damages 1400 acres of trees and plants—Texas 2024
- Tree falls and does property damage—New Jersey 2024
- Property owner trims tree and is fatally electrocuted—New Jersey 2024
- Property owner alleges that Southern Magnolia tree roots cause foundation damage—Texas 2024
- The landscape contractor invertedly removes plants on another property, and the alleged damages are in excess of \$250,000.00—Ohio 2024
- Contractor allegedly causes Royal Palm tree (Roystonea regia)to fail by cutting too close to its roots— California 2024
- Grounds worker comes in contact with an energized conductor due to a failed cross-arm—Pennsylvania 2024
- Tree collapses on a mobile home and causes fatality—Illinois 2024
- Ponderosa Pine fails onto energized conductors and causes a wildfire and fatalities—New Mexico 2024
- Analysis of a leaning Aspen (Populus species) tree—Wisconsin 2024
- Semi-truck allegedly destroyed 28 trees and plants that included (Ashe Juniper (Juniperus ashei) Lacey Oak (Quercus laceyi)Pinyon pine (Pinus cembroides)—Texas 2024
- Workplace Accidents & Standard of Care
 - Tree worker selection and use of equipment caused his injuries – South Carolina (2014).
 - Tree failed and injured landscape worker – Wisconsin (2015).
 - Arboricultural worker electrocution – Florida (2015).
 - Landscape worker electrocution – Mississippi (2016).

- Worker electrocuted when working in a tree – Georgia (2018).
- Landscape contractors improper tree planting – Ohio (2014).
- Power company goes off the right-a-way and removes trees – Ohio (2012).
- Tree branch falls that cause man to be electrocuted – Virginia (2018).
- Tree worker injuries: evaluation of training and equipment – Pennsylvania (2019).
- A sinkhole caused by improper grading – Pennsylvania (2014).
- City cuts and drops a tree on motorists – Illinois (2018).
- Tree failures caused by trenching too close to the incident tree – New Jersey (2018).
- Grocery store employee seriously injured, removing a tree limb--Texas. (2020).
- Tree worker fatally injured as the result of the use of an excavator to remove a tree—West Virginia (2020)
- Tree worker fatally injured as the result of another worker felling a tree on top of the first worker-West Virginia (2021)
- Tree worker seriously injured when felling a tornado damaged tree. — Indiana (2021)
- Arborist injured by electrocution when attempting to remove a tree—Florida (2021)
- Tree worker fatally injured during a limb/tree removal operation—North Carolina (2021)
- A do-it-yourself tree removal project causes a personal injury. — Kentucky (2021)
- Landscape Worker Fatally Injured as a Result of Pruning a Palm Frond. — Florida (2021)
- Neighbor is injured assisting a property owner in the removal of a storm damaged tree. —Kentucky (2021)
- Worker electrocuted when installing fiber optic cable near a White Pine tree—Ohio (2021)
- Tree fails and causes injuries to campers—Ohio (2021)
- Tree work injured when he attempts to rig and remove a 500lb tree limb—Florida (2022)
- Tree worker fatally injured when conducting vegetation management in a distribution circuit—Delaware (2022)
- Eastern White Pine fails at its roots during an 80+mph microburst that causes a fatality—Maine (2022)
- Utility Tree Contractor goes off the right a way and cuts down seven large Oak trees—Pennsylvania (2022)
- Ash trees fractures at its apex of trunks of three trunks and causes distribution conductors to fail that cause a garage fire—Michigan (2022)
- Tree limb failure causes damage to a vehicle—New Jersey (2022)
- Tree worker fatality injured when the tree that he working near on collapses—Louisiana (2022)
- Tree worker fatally injured—Pennsylvania (2022)
- Oak tree fails and damages dwelling and causes personal injury to the occupants—Georgia (2022)
- Sycamore tree's root allegedly damage concrete dock retaining wall next to lake—Indiana (2022)
- Tree worker injured by Killer Bee (*Apis mellifera scutellata* (Lepelletier)) attack while climbing and removing a tree limb—Arizona 2024
- Tree worker is fatally injured when he is struck by a falling tree--West Virginia 2024
- Tree limb failure—NewYork 2024
- Line Clearance Contractor Allegedly Removes Trees Unnecessarily –Texas 2024

- Herbicide, Pesticide, and Crop Losses
 - Tree and plant loss due to herbicide physical spray-particle drift, vapor drift, and herbicide-contaminated soil – Ohio (1997-present).
 - Tordon herbicide applied to adjoin person trees – Ohio (2000).
 - Class Action Lawsuit herbicide injured plants – Nationwide (2010-2014).
 - Stone Fruit and Blueberry crop loss – California (2014).
 - Antifreeze toxicity damaged to landscape plantings – Ohio (2012).
 - Mahogany tree investment loss – Philippines (2015).
 - Blue Eucalyptus tree poisoned – California (2016).
 - Vegetable farm crop loss due to herbicide exposure and poor farming practices – Indiana (2018.)
 - Amortization of tree and plant investments – Michigan (2017).
 - Agricultural Cooperative sells the wrong product to a grower that results in crop loss – Iowa (2018).
 - Bermudagrass Sod Farm damage from the application of Atrazine and Post Herbicide—Louisiana (2020).
 - Landscape Damage by the use of Bleach—Tennessee (2020).
 - 15,000 trees damaged by the use of Imazapri herbicide—Virginia (2021)
 - Fruit tree orchard damaged by pressurized coal mine water—Illinois (2021)
 - Organic vegetable crops and tree damage as the result of Dicamba herbicide spray drift— (2021)
 - Inspection of an alleged forage crop production field to determine plant species were indeed for the use of hay production—Ohio (2021)
 - Inspection and crop loss calculations of Sorghum – Texas (2021)
 - Organic vegetable crops and tree damage in Ohio due to glyphosate and dicamba drift—Ohio (2021)
 - Soybean Crop loss potential due to herbicides Dicamba and Mesotrione improperly applied. Missouri (2021)
 - Berry Farm affected by a commercial applicator's application of glyphosate and synthetic auxin herbicide application—Wisconsin (2021)
 - Pea crop allegedly damage from a herd of cattle—Montana (2021)
 - Alleged Cotton crop damage from Glyphosate and 2,4-D herbicide drift—Arizona. (2021)
 - Over fertilization of a Cotton Crop --Mississippi (2022)
 - Alleged Cannabis crop failure due to a growing range door left open—Colorado (2022)
 - Cotton crops sustain injuries due to Dicamba drift—Texas (2022)
 - Blueberry and Blackberry farm crops damaged by Dicamba herbicide—Kentucky (2022)
 - Cotton and corn crops affected by under fertilization—Tennessee (2022)
 - 2,4-D and Dicamba Cotton Crop susceptibility related to Growing Degree Days—Texas (2022)
 - 2,4-D and Dicamba Soybean susceptibility related to Growing Degree Days—Indiana (2022)
 - Cotton crop damaged by 2,4-D—Florida (2022)
 - Soybean crop damaged by Dicamba—Indiana (2022)
 - Herbicide damage to a Lettuce & Wheat crop—Arizona (2022)
 - Herbicide damage to an Alfalfa crop—Arizona (2022)

- Participated and testified in mediation regarding the alleged tree damages caused by Imazapyr herbicide - Virginia (2022).
 - A faulty lighting system allegedly causes a cannabis crop to fail. California—2023
 - Investigation of a claim that 12 large Oak trees were fatally injured due to the use of two synthetic auxin herbicides. -- Wisconsin (2023)
 - Investigation of a claim that a misapplication of Imazapyr herbicide has caused the loss of 20 acres of trees. Virginia (2023)
 - Investigation of a claim that certain latent Apple tree viruses will cause long-term plant health concerns. Michigan. (2023)
 - Investigation of alleged trees damaged from Glyphosate and 2,4-D Herbicide. Indiana.(2023)
 - A neighbor applies herbicide to another property owner's tree's roots—Arizona 2023
 - Sweet corn crop damaged by herbicide drift—Michigan 2023
 - Multiple trees damaged by herbicides and fire—Wisconsin 2023
 - Cannabis crop is allegedly damaged by faulty heating and cooling system—Michigan 2023
 - Lawn care company misapplies herbicides on landscape planting—Ohio 2024
 - Watermelon crop allegedly exposed to 2,4-D, Dicamba, and Glyphophate off-target drift—Indiana 2024
 - Nursery crop-citrus tree liners exposed to 145F temperatures—California
 - Farmer invertedly removes 100 trees—Ohio 2024
- Premises Liability
 - Pedestrian trips over a sidewalk panel that was lifted by a tree root – New Jersey (2014).
 - Woman slips and sustains injuries from a tree nut – Florida (2018).
 - Tree limb failure on two pedestrians – Virginia (2016).
 - Child struck and injured when playing on a public playground by a tree that was previously damaged during construction—Massachusetts (2016)
 - Woman struck and killed by a tree branch while riding on a bike path – Illinois (2019).
 - Tree failure onto a motorist – Washington (2018).
 - A tree uprooted during a nor easter and struck a vehicle - New Jersey (2020).
 - Pedestrian trips and slips over sidewalk panel covered in algae - Florida (2020).
 - Railroad worker fatally injured by a fallen tree – Ohio (2020).
 - Motorist seriously injured by an uprooted tree - Texas (2020).
 - Woman falls into a hole caused by a tree root – New Jersey (2020).
 - Man is seriously injured when a Pine tree fails in - New Jersey (2021)
 - Motorist seriously injured by an uprooted tree in New Jersey during a Nor Easter (2021)
 - Child fatally injured when a tree falls on a cabin. - Indiana (2021)
 - Tree uproots and strikes a vehicle due to a municipal sidewalk replacement. - New Jersey (2021)
 - Woman slips and falls into pond and algae is alleged to have caused her to sustain fatal injuries—New Jersey (2021)

- Tree uproots and strikes a dwelling causing an occupant to sustain fatal injuries. - Kansas (2021)
- A tree worker is fatally injured when an insect (Bee) nest is disturbed during a tree stump removal operation. -California (2021)
- Minor sustained injuries when a roadside tree fails and strikes a vehicle. -Alabama (2021)
- A tree alongside a roadway fails and causes fatal injuries in Pennsylvania (2021)
- Tree limb failure that causes injuries to a pedestrian- (Washington D.C.) (2021)
- Tree sustained fatal injuries as a result of being struck by a vehicle-Ohio (2021)
- Maple tree fails and strikes a camper. -Ohio (2021)
- Pine tree fails and strikes a cabin and an occupied vehicle. -Maine (2021)
- Bicyclist slips and sustains injuries as the result of algae formation on a pathway—Texas (2021)
- Motorcycle is fatally injured when tree fails—Ohio (2021)
- House fire caused by an alleged Palm tree frond to conductor contact—Florida (2021)
- A tree worker is injured during a tree removal project involving a crane—New Hampshire (2021)
- Utility pole fails due to wood decay and causes structure fire--Missouri (2021)
- Landscape worker is fatality injured when working in a Palm tree near energized conductors—Florida (2021)
- Bicyclist struck by a tree—Indiana (2021)
- Failure of a Red Maple Tree causing property damage—Florida (2021)
- Failure of a Sugar Hackberry causing property damage —Texas (2021)
- Tree limb fails and causes injuries to a pedestrian— Pennsylvania (2021)
- Palm frond from a Queen Ann Palm falls and caused injuries to a restaurant patron—California (2021)
- Tree limb fails and strikes a vehicle and causes driver to be injured—New York (2021)
- Minor child sustains electrical injuries when he touches a fallen tree laying on an energized distribution line— North Carolina (2022)
- Medical transport worker slips on Sedum plants that encroach on sidewalk—Ohio (2022)
- Communication worker fatally injured in a tree— Ohio (2022)
- Eastern White Pine collapses and fatally injures a motorist— Ohio (2022)
- Patron at a restaurant injured from a falling Queen Ann Palm frond—Florida (2022)
- Bicyclist was injured when a motorist struck him due to both party's line of sight was blocked by a juniper hedge—Colorado (2022)
- Tree fails and causes injuries to a motorist—Kentucky (2022)
- Tree fails and causes injuries to a motorist—Ohio (2022)
- 40 acres of Pine trees sustained fire injuries—Florida (2022)
- Property owner claims a landscape contractor supplied inferior plant material—Ohio (2022)
- Tree uproots and fails and destroys dwelling—New Jersey (2022)
- Property owner claims a landscape contractor supplied inferior plant material—Michigan (2022)
- Tree work is fatally injured when he comes in contact with an electrical conductor—Minnesota (2022)
- Landscape plants injured by pool water discharge—Pennsylvania (2022)
- Tree and landscape damage claim from a vehicle accident—Ohio (2022)

- Tree fails and causes injuries to a motorist—Pennsylvania (2022)
- Tree limb fails and strikes a patron at a bank—Virginia (2022)
- Trees exposed to ammonia gas—Arkansas (2022)
- Communication worker injured when he was working in trees near energized conductors—Ohio (2022)
- Tree fails and causes fatal injuries to a motorist—Ohio (2022)
- Honeybee flight distance analysis—California (2022)
- A tree falls on invited guests at a party. Maryland—(2023)
- A patron at a grocery store allegedly sustains leg wounds from a Christmas tree branch. Texas—(2023)
- A tree falls on energized conductors and causes communication workers to be injured by electric shock. New York—(2023)
- A tree falls on a pedestrian. Florida—(2023)
- Pedestrian trips on a sidewalk allegedly caused by a tree root. New York—(2023)
- The contractor removes the wrong tree. Michigan—2023
- A limb falls from a Ficus tree and causes injuries to a bicyclist. Florida—(2023)
- A tree falls on the vehicle. North Carolina—(2023)
- A tree falls on two vehicles. Ohio—(2023)
- Investigation of a claim that viruses cause injurious conditions to fruit tree liners.--Michigan (2023)
- Investigation of a claim that Running Bamboo is causing the collapse of a retaining wall.--Virginia (2023)
- Determine if vegetation was properly managed near energized conductors.--Michigan (2023)
- Investigation of an Oak tree's limb failure that caused a resident's injuries-- North Carolina (2023)
- Investigation of a claim that a landscape contractor added soil and installed a drain fatally injured a Live Oak.-- Louisiana (2023)
- Investigation of a tree company that cut and dropped a tree onto a person-- Pennsylvania (2023)
- Determine if vegetation was properly managed near energized conductors. Pennsylvania (2023)
- Investigation of tree failure that causes injuries to people. Maryland (2023)
- Investigate the claim that the branches or the cut trunk of a Fir tree will that allegedly cause a leg laceration. Texas (2023)
- Investigation of an Australia Pine (*Casuarina equisetifolia*) on a motorist. Florida (2023)
- Determine if vegetation was properly managed near energized conductors. New York (2023)
- Investigation of a Cabbage Palm tree that caused a municipal worker to be injured. South Carolina (2023)
- Investigation of tree damage claim. Michigan (2023)
- Investigation of vegetation management and utility conductors. Texas(2023)
- Investigation of an alleged tree damage caused by the trenching of a gas line near a Birch tree . Washington. (2023)
- Investigation of vegetation management and roadway Arizona (2023)
- Tree damage claim. South Carolina (2023)
- A homeowner cuts one tree branch and is injured by being exposed to an electrical hazard—Texas 2023
- The top of a Date Palm fails and causes injuries—Florida 2023
- Clump form tree fails and causes damage to a vehicle—Indiana 2023

- A Municipal worker is fatally injured when removing a Cabbage Palm—South Carolina 2023
- Live Oak fails and causes property and personal injuries—Georgia 2023
- Aspen tree fails and causes three other trees to fail, which brings down energized conductors that result in two motorists being fatally injured—New York 2024
- Oak tree fails and causes a traffic fatality—Texas 2024
- Tree trunk fractures and causes multiple injuries—Texas 2024
- Tree failed and causes fatal injuries—Illinois 2024
- Tree worker injured during a felling operation—West Virginia-2024
- Tree worker injured during a felling operation—Tennessee-2024
- Tree falls on a cyclist –South Carolina-2024
- Hackberry Tree fails and damages gas station—Ohio 2024
- Pine tree uproots and causes property damage—Texas 2024
- Tree limb fractures and causes personal injuries—Texas 2024
- **Non-litigation**
 - Tree risk assessments—Ohio & other states (1997-2022)
 - Soil test collection and analysis—Ohio (1997-2022)
 - Leaf collections and analysis—Ohio (1997-2022)
 - Tree and landscape health assessments--Ohio, Indiana, Kentucky (1997-2022)
 - Plant damages caused by herbicides--Nationwide (1997-2022)
 - Assessment of tree damage after 200-mph Hurricanes of Hurricane Irma & Maria in Sint Maarten and San Juan, Puerto Rico (2018).
 - Assessment of tree damage after 21 tornadoes caused tree and plant damage—Ohio (2019)
 - Assessment of tree damage after a 70-mph derecho causes damage—Ohio (2022)
 - Inspection and care recommendations for the installation of 60+ 10" DBH trees—Ohio (2022)
 - Tree Impact study for vegetation management of the installation of underground communication lines—Ohio (2022)
 - Planning, development, and oversight of a \$200,000 landscape project—Ohio (2022)
 - Provided tree protection oversight to a multiunit complex—Ohio (2021-2022)
 - Tree Risk Assessment of a tree threatening property and distribution conductors—Ohio(2022)
 - Tree Risk Assessment of five trees surrounding a vacation dwelling—Ohio (2022)
 - Tree Risk Assessment of an 85" Diameter Breast Height Catalpa—Ohio (2022)
 - Tree Risk Assessment of three Silver Maples with faulty limbs—Ohio (2022)
 - Tree protection plan for two large American Sycamore trees involving a patio improvement project—Ohio (2022)
 - Tree Risk Assessment of a Norway Maple tree with a faulty scaffold limb structure and decayed trunk that threaten the safety of energized conductors, the public, and a garage—Ohio (2022)
 - Tree limb struck by a deliver trunk-(tree assessed for long-term damage)—Pennsylvania (2023)
 - Private property evaluation and plant recommendations—Ohio (2023)

- Tree Risk Assessment Assignment of three trees—Ohio (2023)
- Retaining Wall Damage Assessment –Ohio (2023)
- Delivery trunk strikes an Oak tree and causes the tree to fail partially. Pennsylvania—(2023)
- Tree and property damage related to a train derailment. Ohio—(2023)
- Dogwood tree sublethal injured by 2,4-D herbicide—Ohio (2023)
- Tree Risk Assessment of Chestnut Oak—Ohio (2023)
- Tree Risk Assessment of 15 Oak and Hickory trees—Ohio (2023)
- Landscape Consultation regarding the care of extensive shade gardens—Ohio (2023)
- Diagnosis of Weeping Cherry inflected with cankers and bores—Ohio (2023)
- Diagnosis of Japanese Maples Trees with cold weather injuries—Ohio (2023)
- Diagnosis of European Beach Trees with cold weather injuries—Ohio (2023)
- White Ash Tree injured by Ash Leaf anthracnosis.--Ohio (2023)
- Norway Maple injured by Verticillium Wilt.--Ohio (2023)
- Appraisal of Forsythia hedge cut down by a neighbor without permission.--Ohio (2023)
- Tree Risk Assessment of a Red Oak. --Ohio (2023)
- Tree Risk Assessment of a Pin Oak. --Ohio (2023)
- Determined why a Pin Oak tree was dripping residue onto the vehicles parked underneath.--Ohio (2023)
- Tree Risk Assessment of 9 trees-- Ohio (2023)
- Tree inspection of 25 trees for health and structure concerns.--Ohio (2023)
- Appraisal of 11 trees removed by a municipality without permission—Ohio (2023)
- Health Conditions of a Bald Cypress—North Dakota 2023
- Tree Risk Assessment of a Sugar Maple and Black Locust and their likelihood of failure—Ohio (2023)
- Tree Risk Assessment of fifteen trees at a private residence and their likelihood of failure—Ohio (2023)
- Tree Risk Assessment of twenty-five trees boarding one property and their likelihood of failure—Ohio (2023)
- Assessment and Inspection of a Black walnut that was damaged after an F-2 tornado—Ohio (2023)
- Assessment and Inspection of 25 acres of woodland habitat damaged from an EF-2 tornado—Michigan (2023)
- Inspection and Assessment of approximately 55 trees—Ohio (2023)
- Inspection and Assessment of White Ash Tree—Ohio 2023
- Inspection and Assessment of a Sugar Maple with Northern Tooth Fungus (*Climacodon septentrionalis*) -- Ohio (2023)
- Tree appraisal of 21 trees—Ohio (2023)
- Consulted with fruit tree nursery grower regarding cold weather injury to plants—Michigan (2023)
- Investigation of Maple tree roots that encroached under a swimming pool deck and liner-Ohio (2024)
- Provided written specifications for a property owner to supply to a utility arborist for pruning of trees near energized conductors-Ohio (2024)
- Tree inspection and risk assessment-Ohio (2024)
- Taxus hedges lethally and sublethal dosed with Tordon Herbicide-Ohio (2024)

- Inspection and diagnosis of 500+ Boxwoods related to an alleged claim of Boxwood Blight-Ohio (2024)
- Risk assessment of 5 trees--Ohio (2024)
- **Dendrochronology work involving assignments.**
 - Determined if Burr Oak (*Quercus macrocarpa*), Yellow Buckeye (*Aesculus flava*) and Boxelder (*Acer negundo*) trees were adversely affected by a flood event—Ohio (2009)
 - Determined the age of two Lilac's (*Syringa vulgaris*) in a property-line dispute—Ohio (2012)
 - Determine the approximate time frame when a wire fence was installed by conducting tree ring analysis of a wound found in a Black Cherry (*Prunus species*) tree—Ohio (2013)
 - Determine the adverse effects of Aminocyclopyrachlor (Imprelis) on Eastern White Pine (*Pinus strobus*) and Norway Spruce(*Picea abies*)—Minnesota (2014)
 - Determined the age of tree saplings (Maple- *Acer species*), Oak (*Quercus species*), Hickory (*Carya species*) affected by flood and hillside collapse events—Ohio (2015)
 - Determined of how long a Scarlett Oak (*Quercus coccinea*) was dead by collecting and conducting a wood ring analysis of Chinese Privet (*Ligustrum sinense*)—Texas (2015)
 - Determination if a Pear(*Pyrus species*) tree was treated with herbicide—West Virginia(2016)
 - Determination of a Pitch Pine (*Pinus rigada*) growth rate and bark beetle injuries—New Jersey (2016)
 - Determined the growth rate of a White Ash(*Fraxinus americana*)tree prior to its failure—Ohio (2016)
 - Determined the age of defects of a Pin Oak (*Quercus palustris*) tree—Ohio (2017)
 - Determined the age of a dead-branch stub of Pecan (*Carya illinoensis*) tree—Virginia (2017)
 - Determined the age of a tree wound on a Black oak (*Quercus velutina*) tree—Ohio (2018)
 - Determined the age of Sassafras (*Sassafras albidum*) affected by constant and periodic exposure to electrical conductors—Pennsylvania (2018)
 - Determined the age of tree wounds on a Pin Oak (*Quercus palustris*) tree—New Jersey (2018)
 - Determined the age of tree wounds on a Norway Spruce (*Picea abies*) tree—Pennsylvania (2018)
 - Determined the age of tree wounds and water sprouts on an American Basswood (*Tilia americana*)—Minnesota (2018)
 - Determined the age of a Red Maple (*Acer rubrum*) tree's trunk wound—Pennsylvania (2019)
 - Determined the age of Red Oak (*Quercus rubra*) tree's wound—Ohio (2019)
 - Determined the age of wounds related to "wood-screw" installation in a White Ash (*Fraxinus americana*)—Ohio (2019)
 - Determined the age and health of an Eastern White Pine (*Pinus strobus*) tree—New Jersey (2020)
 - Determine the age and health of a Loblolly Pine (*Pinus taeda*) tree—Alabama (2021)
 - Determined when an Apple (*Malus species*) tree that was infected with Fireblight disease (Erwinia species)—Illinois (2021)
 - Determined the age of Cottonwood (*Populus species*) and Ash (*Fraxinus species*) trees affected by flood waters—North Dakota (2022)

- Determined the age of tree wounds and water sprouts on an American Basswood (*Tilia americana*)—Indiana (2022)
- Determination of the health history of a Post Oak (*Quercus stellata*) tree—Texas (2022)
- Determination of tree age and health of three Eastern Red Cedars (*Juniperus virginia*)—North Carolina-- (2022)
- Determined the historical tree health conditions of Eastern White Pine (*Pinus strobus*) and Colorado Blue Spruce (*Pinus pungens*) related to the release of pool water-- Pennsylvania (2023)
- Determined the historical tree health conditions of Walnut (*Juglans nigra*) and Oak (*Quercus species*) trees in Virginia (2023)
- Determined the historical tree health and structure conditions of a Red Oak (*Quercus rubra*) --Pennsylvania (2023)
- Determined the historical tree health and structure conditions of an American Beech (*Fagus americana*). American Sycamore (*Platanus occidentalis*) and Ash (*Fraxinus species*) North Carolina --(2023)
- Determined if the claim that a tree branch on a Sugar Maple (*Acer saccharum*) contained a large conspicuous crack prior to its failure. Pennsylvania.(2024)
- Determined the date by which an Eastern Cottonwood (*Populus deltoides*) had large dead branches and open wounds. Indiana.(2024)
- Tree age analysis of old-growth Black Walnut (*Juglans nigra*)—Missouri (2024)
- Tree damage event analysis of American Beech (*Fagus grandiflora*)—Tennessee (2024)
- Tree ring and wood analysis of Lacey Oak (*Quercus laceyi*) with multiple fire scars. Texas 2024
- Tree ring analysis of a Ponderosa Pine (*Pinus ponderosa*) with multiple fire scars. Colorado 2024
- Tree ring analysis of a Norway Spruce (*Picea abies*) with tree strap strangulation. New Jersey 2024

Professional Experience

- Mark Webber's Arboricultural & Horticultural Consultancy L.L.C. 2020 to Present
(Senior Technical Consultant)
 - Providing arboricultural and horticultural consulting services to clients, including technical investigations, analysis, and reports involving Apiculture, Agricultural, Botany, Dendrochronological and Horticultural issues.
 - Agriculture: pesticides effect on crops, soils, and surrounding plant life, farming methods, crop growth modeling, productivity, and valuations.
 - Apiculture: beekeeping practices including public safety, worker safety, pollination services, honey production, sudden colony collapse, effects of pesticides, and the keeping of bees in urban centers.
 - Arboricultural: tree failures including branch, trunk, sudden branch drop, uproot, and others. Tree failures due to abiotic and biotic factors. Municipal tree inventory practices, pruning practices, cabling, propping and bolting practices, effects of hardware installed into trees, work, and business practices, cutting methods, equipment use and operation, tree risk assessment practices, tree-root-hardscape interface, tree-root-pipe interface, tree appraisals, dendrology, dendrochronology, wood decay, wound closure, growth rates, physiology, tree/plant fluid movement, tree sap, tree structure elements, ring-porous trees, diffuse-porous trees, autotrophic tree species, tree/plant morphology, tree growth

modeling, and wood identification. Utility arboriculture including tree and plant compatible communities, pruning systems, clearance requirements, worker safety, pruning cycles, use of GIS/GPS data, tree risk assessment and management, tree conditions influenced by electrical exposure and inspections.

- Botany: algae, moss, and plant identification, life cycle, structure, and growth conditions.
- Dendrochronology: Tree stand age, trees establishment dates, trees conditions altered by fire, floods (flood trained trees), herbicide injuries, soil movements causing geotropic conditions, eccentric ring patterns, false rings, absent rings, biotic agents, other abiotic conditions, cross-dating, and pith-locator techniques.
- Horticulture: plant failure caused by abiotic and biotic conditions, plant identification, plant selection, plant growth modeling, plant value determinations, planting and establishing plants, fruit & nut drop management, landscape design, garden center operations, nursery production, work, and business practices, fertility and pesticide use, and application, soils, stone fruit production, apple production(pomology), small fruit production, viticulture, vegetable production(olericulture), weed control, maintenance, site drainage, hardscaping, parks, farming practices, bike/hike paths, retaining walls, street trees, herbicide injury, irrigation practices, and methods including organic and conventional means.
- Rimkus Consulting Group, Inc. 2020 - Present
Principal Consultant - Forensic Arborist
 - Provides arboricultural and horticultural consulting services to clients including, but not limited to, technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving Agricultural, Apiculture, Arboricultural, Botanical, Dendrochronological and Horticultural issues.
- Robson Forensic, Inc. 2012 to 2020
 - Associate
Provided technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving Apiculture, Arboricultural, Botany, and Horticultural issues.
- Mark Webber's Landscaping Company, Dayton, OH 1997 to 2023
 - Founder/Co-owner
 - Started and actively manage a landscape design and build, tree, property-care, consulting, and plant production nursery business. Started and actively manage a landscape design and build, tree, property-care, consulting, and plant production nursery business for 26+years. Those activities included rezoning of a property, Chemical Applications, Trimming and Edging Flower Beds, Mulching Gardens Tree Removals, Tree Risk Assessment conducting Levels #1, #2, #3 ,Working aloft, Climbing trees with ropes and utilizing aerial devices, removal of trees with cranes, Power Trimming. Landscape Pruning of trees near power lines, plant placement in and near energized conductors, working near energized conductors, Project Management, Landscape Design, Pruning and Trimming, Task Delegation, Project Scheduling, Layout

Designs, Fertilizer Safety, Worksite Safety, Employee Performance Evaluation, People Management , Team Management, Training & Development of Employees , Personal Protection Equipment Use and Application, Customer Service, Supervision & Leadership, Maintenance & Repair of equipment, Delegated work to staff, setting priorities and goals., Planned and delivered training sessions to improve employee effectiveness and address areas of weakness, Proposed or approved modifications to project plans., Pruned trees and bushes to improve visibility and shape, Troubleshoot mechanical issues and completed basic repairs to keep, equipment working at peak levels., Maintained garden areas and landscaping greenery to enhance property appearance and plant health, Cleared pathways of overgrowth, debris and snow to reduce hazards., Applied mulch and burlap coverings to bushes and trees for winter, Radial and vertical aeration of tree root systems, root collar inspection, Trimmed shrubbery and trees to help plants produce more flowers and fruit to benefit wildlife, Operated landscaping equipment to maintain grounds and remove trees., Cut and trimmed lawns using power mowers and edgers, Performed preventative maintenance to keep equipment in excellent working condition., Utilized automatic sprayers to mix and spray fertilizers and herbicides onto grass and trees., Picked and chose new shrubs and plants according to bedding and sunlight., Built pergolas, retaining walls, decks and large and different scale water features to enhance grounds, Pruned and trimmed trees and shrubs with shears and pruning saws., Pruned and trimmed trees and hedges with shears, pruners, bucket trucks, use of cranes or chain saws., Planted trees, shrubs, bushes and flowers in decorative planters and displays., Trimmed flowers and cleaned flower beds., Adjusted amount of water consumption using irrigation methods to prevent waste., Followed landscaping designs to determine placement of sod, flowers or foliage., Cared for lawns by mulching, aerating, weeding or grubbing, Mixed and sprayed or spread fertilizers, herbicides, or insecticides using hand or automatic dispensers, Maintained or repaired tools or equipment for safety and longevity, Winterized irrigation systems and restarted systems in spring, Raked, mulched and composted leaves, Propagated various species of plants, Developed soilless potting mixes, Monitored soluble salts and nutrient needs of nursery crops, Harvested nursery stock by hand digging and with machine harvestings, Green log weight calculations, Provided proper upkeep of planters, paved areas or other grounds features, Trimmed or edged around flower beds, walks, or walls, Shoveled snow and plowed snow and spread salt on walkways and parking lots., Set support stakes and attached wires from planted trees. Watered lawns, plants, or trees, using sprinkler systems or watering cans as part of overall maintenance plan. Built or maintained greenhouses, polyhouses, fences or benches. Advised customers on plant, flower or shrubbery care. Pruned trees and trimmed bushes and hedges to keep grounds neat and inviting. Applied weed and pest control chemicals to protect customer lawns. Removed debris and trash from surrounding areas and disposed of recyclable materials properly. Used hand-held tools to maintain green spaces. Used heavy equipment, mowers and trimmers safely to prevent accidents. Fertilized, cultivated and weeded soil to deliver steady supply of nutrients to plants. Checked machinery and performed routine maintenance to prevent malfunction. Prepared property for winter conditions using weather-proofing materials. Mowed lawns and trimmed grass around sidewalks, flower beds and walls. Lifted and removed fallen or damaged branches using hand and power tools. Moved leaves and grass clippings using leaf blower. Swept and power washed hard surfaces to remove grime. Transported mulch, soil and sand using shovel and rake. Scheduled regular landscaping services to promote optimal growth and maintain attractive appearance of

lawns and facility grounds. Managed business responsibilities Plan landscapes with proper plant recommendations for locations Determined pricing for products or services based on costs and competition. Analyzed financial statements and trends to manage cash flow and make business decisions. Improved company's quality and productivity by streamlining systems and processes. Mentored and trained new hires on sales techniques and customer service procedures. Set pricing structures according to market analytics and emerging trends. Managed sales presentations to promote product and brand benefits. Analyzed client business needs and assisted in determining appropriate resources and strategies. Supervised performance of workers with goals of improving productivity, efficiency and cost savings. Oversaw staff hiring, initiating new training and scheduled processes to streamline operations. Promoted business on social media platforms to maximize brand identity and generate revenue. Hired and trained new department managers to increase team oversight and productivity. Created and implemented employee onboarding and training programs to promote employee retention and team collaboration. Developed safety plans and traffic control at job sites. Developed and instructed employees regarding safety included Electrical Hazard Awareness. Negotiated with vendors to gain optimal pricing on products resulting in substantial increase in profit margin. Oversaw project execution, phase progress, workmanship and team performance to drive on-time completion of deliverables. Established favorable relationships with vendors and contractors, facilitating contract negotiation and development of marketing and sales strategies. Managed operations budgeting, accounts payable and accounts receivable and payroll. Supervised company social media and marketing efforts to expand brand awareness and attract new customers. Kept records for production, inventory, income and expenses. Interviewed, trained and supervised employees. Kept up to date on regulatory changes affecting business operations. Resolved issues quickly through meticulous research and quick decision making.

- Currently providing consulting services to client regarding agronomic, arboricultural and horticultural assignments.
- Tru-Gro Landscaping; Dayton, OH 1995 to 1997
 - Owner/Manager
Directed sales, operations, and managed 25 plus employees doing tree and landscaping operations involving commercial and residential accounts.
- WHIO; Dayton, Ohio 1989-Present
 - Radio Talk Host of a weekend talk show titled "Garden Talk with Mark Webber" offering expert advice and answering callers questions regarding arboricultural, horticultural, and agronomic issues.
- WDTN/WKEF; Dayton, OH 1986 to 2000
 - Consultant for Television News Station
Provided on live on-air expert advice on the care and management of plants and trees.

- Farmer Dan's; Dayton, OH 1986 to 1995
 - Manager/Owner
Production and garden center sales of Bedding Plants, Cider, Christmas Trees, Nursery Stock, Stone Fruit, Apples, Pears, Raspberries, Blueberries, and Vegetables. Started a landscape design and build division.
- Aichholtz Farms; Newtown, OH 1984 to 1986
 - Crop Manager
Responsible for pest control and took part in the production and harvesting, packaging, marketing, and shipment of over 300 acres of vegetable and small fruit crops.
- 1983 BASF Corporation; Parsippany, NJ 1983
 - Research Assistant
Involved with implementing experimental trials of herbicides/fungicides/insecticides on crops: Corn, Mint, Stone Fruits, Apples, Small Fruits, Soybeans, Wheat, Cotton, and Christmas Trees.
- The Ohio State University; Columbus, OH 1981 to 1984
 - Honeybee Technician/Apiculture
Repaired equipment. Assisted with research data collection. Kept and maintained Honeybee Colonies.
- Turkenburg Nursery; Madison, OH 1980
 - Intern
Worked in all phases of nursery plant propagation. Involved with the day-to-day operations.
- Day's Nursery; Findlay, OH 1975 to 1979
Worked in all phases of nursery production, landscaping installation, and sales.

Education and Certifications

- 1984- A.A.S., BS, in Agriculture with a major in Horticultural Science, and a minor in Agricultural Economics, The Ohio State University, Columbus, OH. These degrees included specialized education, and training involving plant identification, plant nomenclature, crop botany, plant morphology, arboriculture, irrigation, drainage, soil science, landscape horticulture, landscape & nursery management, plant propagation, plant sciences, plant physiology, entomology, plant pathology (plant diseases), pomology, olericulture, viticulture, animal science, forage crops, weed science, and agricultural business management.
- 1997- Present- Ohio Commercial Pesticide Applicator 6A, 6C, 8
- 2005-Present- Master Nursery Landscape Technician, Ohio Nursery & Landscape Association (ONLA), Columbus, OH.

Expertise in three areas of specialization: Core basics of plant science, Garden Center Management, Plant Grower and Landscape operations, and management. Once a person successfully obtains all three specializations, they are granted the Master Technician status.

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Expert-arborist.com

- 2013-Present- I.S.A. Board Certified Master Arborist OH-0824BUM, International Society of Arboriculture, (I.S.A. Certified Arborist, 1998-2013)
- February 2013-2017. (Requalified 2017-2023) (Requalified 2023-2028.) Tree Risk Assessment Qualified (TRAQ), International Society of Arboriculture.
Expertise in: Identification of tree defects, causes of tree failures, determination of target risk exposure, quantification and qualitative of tree risk to targets, determination of impact on targets affected by tree failures, tree failure analysis of weather conditions that are caused by wind, rain, snow, ice, derechos, tornadoes, and hurricanes.
- 2014-Present- Wildlife Protector Certification, Wildlife Training Institute.
- 2016- Present- Licensed Arborist in Rhode Island
- 2016- Present- Licensed Arborist in Minnesota
- 2016- Present- First Class Landscape Licensed Arborist in Maine
- 2016- Present- First Class Utility Arborist
- August 2016- August 2017- Certified Tree Expert #639, Board of Tree Experts Jackson, NJ.
- August 2017-Present- Licensed Tree Expert #639, Board of Tree Experts Jackson, NJ.
- 2017- Present- Certified Professional Horticulturist #30086, American Society for Horticultural Science, Alexandria, Virginia.
- 2017-Present- Licensed Arborist in New Jersey
- 2018-Present- I.S.A. Certified Arborist Municipal Specialist, International Society of Arboriculture.
Expertise in: Municipal tree management, tree inspections, tree root public sidewalks and infrastructure conflict, tree hazards, tree volume needs, employee training and supervision and tree planting.
- 2018-Present- I.S.A. Certified Arborist Utility Specialist, International Society of Arboriculture.
Expertise in: Growth rates of trees, pruning systems, pruning cycles, safe work practices in and near energize conductors, electrical conductivity in trees, tree removal and rigging near conductors, vegetation management in and near conductors, growth regulators, and customer relations.
- 2018-Present- MArborA, designated by the Arboricultural Association, United Kingdom.
MArborA is the second-highest arboricultural designation in the United Kingdom.
- 2019- Present- Sky Warn Weather Spotter Training Certification, National Weather Service.
- May 2019-2024. (Requalified 2024-2029) Tree and Plant Appraisal Qualification (TPAQ), American Society of Consulting Arborists.
- 2020- Graduate from ASCA (American Society of Consulting Arborist) Consulting Academy in Sacramento, California.
- 2020-Present- Registered Consulting Arborist #706, American Society of Consulting Arborist.
Expertise in higher skills in technical areas related to trees and tree care, providing objective, independent opinions, with training for higher communication, presentation, and report writing skills.

Continuing Education

- **Requalification of Tree & Plant Qualification(TPAQ).** American Society of Consulting Arborist. May 2024
- **Managing Trees & Public Spaces for Bats.** Ohio Chapter ISA. April 2024
- **Trees and the Law #2: Competing Interests in Street Trees.** American Society of Consulting Arborists. March 2024
- **Hurricane Tree Damage and Repair.** American Society for the Horticultural Science. March 2024
- **Not business as usual Managing urban ash pollards suffering ash dieback.** Arboricultural Association. March 2024
- **Reflections on the Miyawaki tree planting method.** Arboricultural Association. March 2024
- **Asian hornets a Growing Concern.** Arboricultural Association. March 2024
- **Sonic tomography Strengths, Weakness and Potential Pitfalls.** Arboricultural Association. March 2024
- **Pesticide Recertification Training.** Ohio Department of Agriculture. February 2024
- **Weird Things Bugs Do.** Ohio Tree Care Conference. Ohio Chapter ISA. February 2024
- **Climate Ready Vegetation Management Programs in Transmission ROW.** Ohio Tree Care Conference. Ohio Chapter ISA. February 2024
- **Managing Tree Failure Risk from Outside of the Electric Distribution Corridor.** Ohio Tree Care Conference. Ohio Chapter ISA. February 2024
- **Utility Vegetation Management.** Ohio Tree Care Conference. Ohio Chapter ISA. February 2024
- **Integrated Vegetation Management.** Ohio Tree Care Conference. Ohio Chapter ISA. February 2024
- **Masters Series "Plant Appraisal-Tree Appraisal: A Short History"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal- The Guide for Plant Appraisal, 10th Edition"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-The Appraisal Problem"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-An Overview of Approaches, Methods, and Techniques of Appraisal"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Trunk Formula Technique: Trunk Area and Unit Cost"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Trunk Formula Technique: Depreciation, Rounding, and Additional Costs"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Examples from Texas Case Law"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Data Collection and Forensic Testing and Analysis"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Field exercise"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Reporting"** Texas Chapter ISA. January/February 2024
- **Masters Series "Plant Appraisal-Appraisal Ethics and Professional Conduct"** Texas Chapter ISA. January/February 2024
- **Winter Tree Summit w/ Dr. Kevin Smith, USDA FS .**The University of Massachusetts. January 2024
- **Tree Decay a few questions still worth asking with Dr David Lonsdale.** Arborist Association. January 2024
- **Wood Biodegradation, Protection, and Methods of Inspection.** Arborist Institute November 2023
- **What tree care providers should know before rescuing or transporting raptors.** Western Chapter ISA—November 2023
- **Pruning as a Natural Crown Reduction Method.** Western Chapter ISA—November 2023

- **Growing Degree Days and Phenology: A Perfect Pair for Timing Pest Management.** Ohio Chapter ISA—November 2023
- **Diagnostics for Dummies.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Making Landscapes That Matter.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Soil Health and Carbon Sequestration for Ecosystem Health.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Old Growth Forests are so Much More Than Big Trees.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Smart Tree Planting.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **2023 Dead Tree Review: The View from Rutgers Plant Diagnostic Lab.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Pesticide Regulatory and Safety Update: Storage and Spills.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Badass Trees for Piss Poor Places.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Trees Do Not Read Textbooks: Woody Stories of Black Swans, Persistence, and Great Longevity.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **How to Read a Tree.** New Jersey Shade Tree Conference. Cherry Hill, NJ. 2023
- **Assessing Targets, Sites, and Trees for Utility Tree Risk Assessment.** ISA. October 2023
- **Tree Roots: A Closer Look at Roots with Secondary Thickening.** ISA. October 2023
- **Tree Equity.** Ohio Chapter ISA September 2023
- **Webinar - Tree Architecture and Adaptive Growth.** American Society of Consulting Arborist. September 2023
- **Dendroarchaeology in the Southeastern U.S.: The quest to dehaeological data (Maegan Rochner, University of Louisville).** Tree Ring Society. August 2023
- **How Do Advanced Decay Detecting Devices Affect Likelihood of Failure Ratings for Trunks with Decay?** International Society of Arboriculture August 2023
- **Healthy Urban Canopy/Tree Planting & After Planting Care.** Ohio Chapter ISA. August 2023
- **Fire, Trees, and Time.** Western Chapter ISA. July 2023
- **Invasive Shot Hole Borer Trials Lakewood.** Western Chapter ISA. July 2023
- **Best Practices for Root Pruning.** International Society of Arboriculture. July 2023
- **Palm-istry: Introduction to Palms of the Southeastern U.S.** Auburn University. July 2023
- **Tree Cabling Systems.** Ohio Chapter ISA. July 2023
- **Who Owns Boundary Trees.** American Society of Consulting Arborists. June. 2023
- **Failing Before the Wind: Trees, Storm Loading and Consequences.** Auburn University. May.2023
- **Green and White: Variegated Trees Have Their Place.** International Society of Arboriculture. May 2023
- **Tickborne Diseases a Concern for Ohio.** Ohio Chapter ISA. April 2023
- **Trees and Construction—The Design Phase.** International Society of Arboriculture. April 2023
- **ISA Tree Risk Assessment Qualification - Job Task Analysis Validation Survey.** International Society of Arboriculture. April 2023
- **Gallery Characteristics of the Invasive Shot Hole Borer and Extent of Accompanying Fusarium Dieback Disease in Relation to the CODIT Model and Principles in a London Plane Tree.** Western Chapter ISA April 2023
- **Tree Profiles: Tree of Heaven (Ailanthus altissima).** Western Chapter ISA April 2023

- **Retrenchment: What is it?.** American Society for Horticulture Science. April 2023
- **Method of Tree and Landscape Restoration After the War Damage in Ukraine.** American Society for Horticulture Science. April 2023
- **Trasmochos (pollards) of Basque.** American Society for Horticulture Science. April 2023
- **Snags.** American Society for Horticulture Science. April 2023
- **What can tree inventories tell us?** American Society for Horticulture Science. April 2023
- **Fir Trees.** American Society for Horticulture Science. April 2023
- **Towards an anthropology of plant names.** American Society for Horticulture Science. April 2023
- **Tree Risk Assessment Renewal Class.** Western Chapter ISA-January 2023
- **Online Risk Assessment & Tree Protection: Risk Assessment-**International Society of Arboriculture February 2023
- **Administering Tree Injections.** International Society of Arboriculture—January 2023
- **Electrical Hazard Awareness.** Ohio Chapter ISA—January 2023
- **Native Trees and Shrubs.** Western Chapter ISA-- January 2023
- **Recycled Water.** Western Chapter ISA-- January 2023
- **Beneficial Insects in the Urban Landscape.** International Society of Arboriculture—December 2022
- **International Consulting.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **Retaining the Trees for Wildlife.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **HUD Regs vs. Local Ordinance: A Case of Federal Tree-emption?.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **The 3 P's of Consulting - The 4 P's of the Consulting Business.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **Tree Rings, Disturbance, and Environmental History.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **The Use of Sonic and Electrical Resistance Tomography in Tree Risk Assessment.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **ISA's Best Management Practices for Construction Near Trees.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **Microscopic Worms Cause Macroscopic Devastation: the Developing Story of Beech Leaf Disease.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **The Once and Future Wood.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **Culture, Maintenance and Historical Use of Ancient Pleached Trees in Western Europe.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022
- **Pre-Conference Activity: Tour of Louisville Trees.** American Society of Consulting Arborist Annual Meeting--Louisville Kentucky November/December 2022

- **Are Native trees and Shrubs Better Choices for Wildlife in Home Landscape?** Western Chapter ISA November 2022
- **A Quick Guide to Designing and Managing Landscapes Irrigated with Recycled Water.** Western Chapter ISA November 2022
- **Fungi Wars** . American Society of Consulting Arborists. October 2022
- **Navi8. NearMap. Solution Session: Digital Transformation of Tree Canopy Monitoring.** Near Map Training. Chicago Ill. October 2022
- **Navi8. Solution Session: Nearmap Imagery Guiding Wildfire Recovery.** Near Map Training. Chicago Ill. October 2022
- **Navi8. Seeing More From Above: How Overview Looks Closer with Nearmap.** Near Map Training. Chicago Ill. October 2022
- **Navi8.Solution Session: A Geospatial Time Machine for Earth Observation.** Near Map Training. Chicago Ill. October 2022
- **Is Root Shaving a Viable Option for Sidewalk, Curb and Gutter Repairs?** Western Chapter ISA, October 2022
- **Plan Reading is Essential for Consulting Arborists.** Western Chapter ISA, October 2022
- **The Big Five and Urban Decay Ecology.** International Society of Arboriculture. September 2022
- **Mississippian Dendroarchaeology: C wiggle-matching and Sr/S sourcing at the Kincaid and Mitchell Sites,** southern Illinois. University of Arizona. September 2022
- **How do wood anatomical traits in Salix vary in response to flooding? A case study from the Yenisei River, Siberia.** University of Arizona. September 2022
- **Fluvial Process and establishment of bottomland trees.** American Society for the Horticultural Science. September 2022
- **Alternative standardization approaches to improving streamflow reconstructions with ring-width indices of riparian trees.** American Society for the Horticultural Science. September 2022
- **Recent formation of arroyos in the Little Missouri Badlands of southwestern North Dakota.** American Society for the Horticultural Science. September 2022
- **Underground riparian wood: Buried stem and root structures of Black Poplar (Populus nigra).** American Society for the Horticultural Science. September 2022.
- **Dating floodplain sediments using tree-ring response to burial.** American Society for the Horticultural Science. September 2022
- **Dendroclimatic Potential of Plains Cottonwood (Populus deltoides Subsp. Monilifera) from the Northern Great Plains, USA.** American Society for the Horticultural Science. September 2022
- **The Role of GPR for 100% Non-Invasive Inspection of Trunks and Roots.** American Society of Consulting Arborist. June 2022
- **Tornados** . Rimkus Consulting. June 2022
- **Trees & Synthetic Turf.** American Society of Consulting Arborists. May 2022
- **Eagle view Training. Eagle view Meeting.** May. 2022

- **Introduction to Tree Appraisal Part 2 – Landscape Trees.** Ohio Chapter ISA. May 2022
- **Tree Appraisal.** Ohio Chapter ISA. April 2022
- **Oak Wilt Update. Ohio Chapter ISA. April 2022**
- **Integrated Vegetation Management Control Methods.** International Society of Arboriculture. April 2022
- **Introduction to Tree Appraisal part 2.** Ohio Chapter of the International Society of Arboriculture. March 2022
- **The Genome of a Small Japanese Fruit Reveals a Big Story of Citrus Evolution and Domestication.** American Society for Horticultural Science. March 2022
- **Step one in identifying flowering cherries.** American Society for Horticultural Science. March 2022
- **Ethical Arboriculture.** American Society for Horticultural Science. March 2022
- **Identifying Threats to Oak.** American Society for Horticultural Science. March 2022
- **Shrubs that "wanna be" trees.** American Society for Horticultural Science. March 2022
- **Hickory.** American Society for Horticultural Science. March 2022
- **Towards an anthropology of plant names.** American Society for Horticultural Science. March 2022
- **Methods and Public Health Impacts of Community-Based Urban Forestry Efforts.** USDA. February 2022
- **Introduction to Tree Appraisal part 1.** Ohio Chapter ISA. January 2022
- **When Trees Stand for a Nation - Bartlett and the 9/11 Memorial.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Biochar: Applied Research in Woody Plants.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Case Capsule: Tree Resource Stewardship.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Case Capsule: How the Storm Frequency and Severity is Affecting the Riparian Forest at Bulls Island State Park, NJ.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Case Capsule: A Tale of Two Cities: A Reflection on Municipal Tree Ordinances.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Case Capsule: A Pepper Tree Mystery.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Developing Accountable Nursery Stock Specifications.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Transplanting Large DBH Trees - The Bare Root Method.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Use Your Expertise for Good: Networking and Connecting the Dots.** American Society of Consulting Arborist. Lake Tahoe Nevada. December 2021
- **Some Atypical Consulting Assignments.** American Society of Consulting Arborist. Lake Tahoe Nevada. December 2021
- **Growing Quality Trees with Grades and Standards.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021

- **Best Practices—Producing Arboriculture-Friendly Roots in the Nursery.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Trees: A Lifespan Approach.** American Society of Consulting Arborists. Lake Tahoe Nevada. December 2021
- **Sonic Tomography.** American Society of Consulting Arborists. Advanced Level III Tree Risk Assessment Techniques. Lake Tahoe Nevada. December 2021
- **Drones.** American Society of Consulting Arborists. Advanced Level III Tree Risk Assessment Techniques. Lake Tahoe Nevada. December 2021
- **Advanced Tree Inspections with Resistance Drills.** American Society of Consulting Arborists. Advanced Level III Tree Risk Assessment Techniques. Lake Tahoe Nevada. December 2021
- **Examining Whole-Tree Failure with Tree Pulling Tests.** American Society of Consulting Arborists. Advanced Level III Tree Risk Assessment Techniques. Lake Tahoe Nevada. December 2021
- **Wildlife Management in Urban Forests & Landscapes.** University of Mass. November 2021
- **Ethics and Professional Practice.** Western Chapter ISA. November 2021
- **Invasive Shothole Borers - An Ongoing Threat to California's Trees.** Western Chapter ISA. November 2021
- **Insects and Diseases NJ's Hot Topics.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **CSI-Tree Guy.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Urban Nature/Human Nature.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **How Trees Communicate.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Tree and Shrub Myths that will not Die-Part 2.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Codominant Unions: One Reason to Prune Trees Early.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Trees Can Do the Dirty Work of Waste Cleanup.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Safety on the Job.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Street Trees-The struggle for Survival.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Tree and Shrub Myths that will not Die-Part 1.** The New Jersey Shade Tree Federation Annual Conference. Cherry Hill NJ. October 2021
- **Funding Sources for Urban Forestry Programs.** Buckeye Arborist. September/October 2021
- **Tree Biomechanics: A Continuing Discussion.** University of Mass . October 2021
- **Shenandoah Valley Electric Cooperative.** Utility Arborist Association. September 2021
- **Tomography and the Redwood Canopy.** Arboricultural Association. September 2021
- **Understanding Severe Wind Events.** Rimkus Consulting. September 2021.

- **Breeding of Horticultural Plants with Biotechnology Tools.** American Society for Horticultural Science. September 2021.
- **Tree Tomography and Morphophysiology with Stefania Gasperini and Steffen Rust.** Arboricultural Association. August 2021
- **Performing Soil Assessments.** International Society of Arboriculture. August 2021
- **Reproduction of Ferns from Spores.** American Society for Horticultural Science. July 2021
- **Take It All Off ! Maximizing Planting Success of Trees & Shrubs.** Western Chapter of the International Society of Arboriculture. July 2021
- **Do Black Walnuts Trees Have Allelopathic Effects On Other Plants?** Western Chapter of the International Society of Arboriculture. July 2021
- **Horizontal Directional Boring Under Trees.** American Society for Horticultural Science. July 2021
- **An investigation into mechanical wound parameters that may affect the extent of internal decay in wounded stems of bi-leaf Acacia and ear-leaved Acacia.** American Society for Horticultural Science. July 2021
- **Canopy Management Practices for Citrus.** American Society for Horticultural Science. July 2021
- **Klasow Valley, West Papua, Indonesia and its Palms.** American Society for Horticultural Science. July 2021
- **Ceroxylon ravenii, a New Acaulescent Palm from Cordillera Azul National Park , Peru.** American Society for Horticultural Science. July 2021
- **Considerations of the tree.** Arborist Association. July 2021
- **Undercover: Understanding Native Wood-Borers.** International Society of Arboriculture. July 2021
- **The roots of arboricultural impact assessment.** American Society For the Horticultural Sciences. June 2021
- **Interaction of trees and wind.** American Society For the Horticultural Sciences. June 2021
- **Tree risk management.** American Society For the Horticultural Sciences. June 2021
- **Japanese bigleaf magnolia.** American Society For the Horticultural Sciences. June 2021
- **What's so hard about soil?.** American Society For the Horticultural Sciences. June 2021
- **Sooty bark disease can no longer be ignored. A report from Belgium and the Netherlands.** American Society For the Horticultural Sciences. June 2021

- **Species Failure Profile For Trees Common to the Ohio River Valley.** American Society For the Horticultural Sciences. June 2021
- **Difference Between Red, Silver and Freeman Maples.** American Society For the Horticultural Sciences. June 2021
- **Tree and Fungi.** Arboricultural Association UK. June 2021
- **An Emerging Threat To Beech.** American Society For the Horticultural Sciences. May 2021
- **Evaluating soil health-biological perspective.** American Society For the Horticultural Sciences. May 2021
- **Taking the 'defect' out of tree risk-benefit assessment.** American Society For the Horticultural Sciences. May 2021

- **Are 'defects 'a design for longevity.** American Society For the Horticultural Sciences. May 2021
- **Dutch elm disease management.** American Society For the Horticultural Sciences. May 2021
- **Black Birch.** American Society For the Horticultural Sciences. May 2021
- **Observations of plateauing trees and their implications.** American Society For the Horticultural Sciences. May 2021
- **Forged in Fire: Arborist Options Before and After a Fire.** American Society For the Horticultural Sciences. May 2021
- **Sinkhole Tree Failures.** American Society For the Horticultural Sciences. May 2021
- **Three common Safety Lapses Your Tree Care Crew May Be Making.** American Society For the Horticultural Sciences. May 2021
- **Protecting Water Resources.** American Society For the Horticultural Sciences. May 2021
- **Monumental Palms in Galicia(NW Spain).** American Society For the Horticultural Sciences. May 2021
- **Urucuri palm- Flower Color Variation in Attalea phalerata(Arecaceae).** American Society For the Horticultural Sciences. May 2021
- **Northward Expansion of Two Palms Native to Southwestern USA.** American Society For the Horticultural Sciences. May 2021
- **Impacts of Fire on Tree Structure: Observations from the Field.** American Society of Consulting Arborist. April 2021
- **Weather Seminar.** Rimkus Consulting. April.2021
- **Weather /Hail Seminar** Rimkus Consulting. April 2021
- **Determining the Extent of Fire Damage to Trees.** American Society of Consulting Arborist. March 2021
- **Accessing the Memories of Trees, Memories That Inform Us of This Moment in Time.** Garden State Tree Conference. March 2021
- **Historical Ecology: Field Marks and Case Studies.** Garden State Tree Conference. March 2021
- **Benefits and challenges of cultural diversity in Arboriculture.** Garden State Tree Conference. March 2021
- **From Nursery to Installation and Beyond - Plants, Planting and Plant Care.** Garden State Tree Conference. March 2021
- **Delivering New Jersey's Forests for Climate.** Garden State Tree Conference. March 2021
- **General Job Safety Considerations.** Garden State Tree Conference. March 2021
- **Grapple Saw Truck Pre-Op Inspection.** Garden State Tree Conference. March 2021
- **How Bad Is It? .** Garden State Tree Conference. March 2021
- **The New Integrated Vegetation Management Best Management Practices.** Garden State Tree Conference. March 2021
- **The Soil Will Save Us.** Garden State Tree Conference. March 2021
- **Tree Assessment for the Sales Arborist.** Garden State Tree Conference. March 2021
- **Tree Pruning Essentials.** Garden State Tree Conference. March 2021
- **Tree Worker Safety & First Aid.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021

- **Tree Climbing & Tree Work.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Urban Forestry.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Tree Risk Assessment & Management.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Beech Leaf Disease.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Is This Tree Worth Saving???.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Effects of Insecticides on Natural Enemies.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **The Next Vital Sign – Trees & Human Health.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Tree Nutrition & Fertilization.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Tree Support & Lightning Protection.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Protecting Trees During Construction.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **IVM Best Management Practices.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Attracting and Retaining Utility Arborists.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Pest Trends – Diseases & Insects to be on the Look-Out for in 2021.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Keynote Presentation.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Environmental Justice in the Urban Forest: Deepening the Connection.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Tree Pruning, Tree Installation & Establishment.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Plant health Care.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021
- **Tree Selection.** Ohio/Kentucky Chapter ISA. Winter Meetings. February 2021.
- **Steps in Plant Problem Diagnosis.** Ohio Chapter ISA. February 2021.
- **Palms and People: Raphia vinifera Usage and Cultivation in the Grasslands of Western Cameroon.** American Society For Horticultural Science. February 2021.
- **Palms on the Brink: Conservation and Status of Threaten Palms in Sainte Luce, Madagascar.** Palms. American Society For Horticultural Science. February 2021.
- **Pinanga andamansis.** American Society For Horticultural Science. February 2021.
- **Aerial Inspections: A Guide To Good Practice.** American Society For Horticultural Science. February 2021
- **Visual Amenity of Trees and Woodlands.** American Society For Horticultural Science. February 2021.
- **Tree Surveys: A Guide To Good Practice.** American Society For Horticultural Science. February 2021.
- **Turf - Turf Pest Update.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Forestry - Decay in the Urban Forest.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Greenhouse – Spider Mite Management.** Pesticide Recertification Training. Ohio State University. January, 2021

- **Turf Weed - New Products for Grasses and Broadleaf Weeds.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Ornamental Weed - Weed Control in Landscape Beds.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Conserving Pollinators in Landscape and Turf, Part 1 & 2.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Turf - Diagnostic and Fungicide Update.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Ornamental Pest - Asian Longhorned Beetle.** Pesticide Recertification Training. Ohio State University. January, 2021
- **Industrial Vegetation - Woody Vegetation in the Landscape.** Pesticide Recertification Training. Ohio State University. January 2021
- **Tree Investments Strategies to Address Tree Inequities.** Montgomery Parks and Casey Trees conference. December 2020
- **Trees Are Good Moms.** Montgomery Parks and Casey Trees conference. December, 2020
- **Research On Regenerative Pruning, For Smaller, Safer Trees.** Montgomery Parks and Casey Trees conference. December 2020
- **How Branches are Connected to Trunks.** Montgomery Parks and Casey Trees conference. December 2020
- **"Flight 93 Memorial Landscape: Evaluation and proposal for future improvements".** Montgomery Parks and Casey Trees conference. December, 2020
- **Soils for New Jersey Trees.** American Society For the Horticultural Sciences. December, 2020
- **New Guidelines to Use Cellular Confinement Systems Near Trees.** American Society For the Horticultural Sciences. December, 2020
- **Massaris disease of plane.** American Society For the Horticultural Sciences. December, 2020
- **Halo-thinned ancient oaks.** American Society For the Horticultural Sciences. December, 2020
- **Goldenballs.** American Society For the Horticultural Sciences. December, 2020
- **Is there a case for the Celtic maple or the Scots plane?** American Society For the Horticultural Sciences. December, 2020
- **A contractor's approach to ensure ancient and veteran tree continuity.** American Society For the Horticultural Sciences. December, 2020
- **Elm as a future urban tree: Is it possible?** American Society For the Horticultural Sciences. December, 2020
- **Tree Biomechanics Responses to Wind and Gravity.** The University of Massachusetts. November, 2020
- **Understanding The Soil in Your Landscape.** Southern Chapter ISA. October, 2020
- **Sidewalks & Trees - How to Coexist Better Confirmation.** Pacific Chapter ISA. October, 2020
- **A Basic Introduction To Tree Root Biology in the Built Environment.** New Jersey Shade Tree Conference. October, 2020

- **A Technical Discussion of Tree Root Biology in the Built Environment.** New Jersey Shade Tree Conference. October, 2020
 - **How to Properly Specify Plant Material.** New Jersey Shade Tree Conference. October, 2020
 - **Dep Pesticide Safety and Storage Update.** New Jersey Shade Tree Conference. October 2020
 - **Tree Disease What's Out There.** New Jersey Shade Tree Conference. October 2020
 - **Trees 101 & Tree Risk Management.** New Jersey Shade Tree Conference. October 2020
 - **Incidental Line Clearance: working within the BMP's Utility Pruning of Trees.** New Jersey Shade Tree Conference. October 2020
 - **Managing Trees During Construction.** New Jersey Shade Tree Conference. October 2020
 - **Natures Best Hope.** New Jersey Shade Tree Conference. October 2020
 - **Legal Issues in Urban & Community Forestry.** New Jersey Shade Tree Conference. October 2020
 - **The Guide to Restoring the Little Things That Run The World.** New Jersey Shade Tree Conference. October 2020
 - **What to do as a Municipality and When Should You Reach Out for Help.** New Jersey Shade Tree Conference. October 2020
 - **Tree Appraisal Update.** New Jersey Shade Tree Conference. October 2020
 - **Municipal Grant Tips on Writing and Management.** New Jersey Shade Tree Conference. October 2020
 - **Tree Planting and Maintenance.** New Jersey Shade Tree Conference. October 2020
 - **NJ Community Forestry Program Updates Guidelines, Grants, Back on Track.** New Jersey Shade Tree Conference. October 2020
- **Blazing Saddles: Cerioporos squamosus.** American Society For the Horticultural Sciences. August, 2020
- **High tree risk twilight zone.** American Society For the Horticultural Sciences. August, 2020
- **Trees overtime. Abnormalities.** American Society For the Horticultural Sciences. August, 2020
- **The value of trees and shrubs to wildlife.** American Society For the Horticultural Sciences. August, 2020
- **Medlar Tree (Mespilus germanica).** American Society For the Horticultural Sciences. August, 2020
- **Fomitporia mediterranea on London Plane.** American Society For the Horticultural Sciences. August, 2020
- **Diagnosis of herbicide damage to trees.** American Society For the Horticultural Sciences. August, 2020
- **The morphological approach to tree management.** American Society For the Horticultural Sciences. August, 2020
- **Particulate matter removed by forest cover in Delhi.** American Society For the Horticultural Sciences. August, 2020
- **Considerations concerning CAVIT-Tree Value.** American Society For the Horticultural Sciences. August, 2020
- **Satellite data and space technology to revolutionize vegetation management.** Utility Arborist Association July, 2020
- **"Tree roots the real story"** Webinar. Ohio Chapter ISA. July, 2020

- **The Calm Before Tree Adjustments to Wind and Ice Storm Loads** Live Virtual Meeting. Southern Chapter ISA. June 2020
- **Choosing Native Species for Use in City Environments.** Southern Chapter ISA. May 2020
- **ROW Counts! Measure ROW Biodiversity and Ecological Functioning to Add More Value in Responsibility Reporting.** Utility Arborist Association. May 2020
- **T.E.D. Green/ Pruning Utilities.** American Society For The Horticultural Sciences. June 2020
- **Tony Kirkam, Pruning Tree Species.** American Society For The Horticultural Sciences. June 2020
- **Reg Harris, "Retrenchment Pruning."** American Society For The Horticultural Sciences. June 2020
- **Choosing Native Species for Use in City Environments.** International Society of Arboriculture. June 2020
- **Protect the Environment Using FL Friendly Landscaping Practice.** American Society For The Horticultural Sciences. June 2020
- **Real-Time Remote Sensing Intelligence.** Utility Arborist Association. May 2020
- **What's Bugging My Trees.** International Society of Arboriculture. May 2020
- **Detecting Tree Decay with Tomographic Technology** - Dr. Nicholas Brazee. The University of Massachusetts. May 2020
- **UVM 101 - Perspectives Webinar.** Utility Arborist Association. May 2020
- **Sidewalks, Urban Plazas, and Tree Roots** Live Virtual Meeting. International Society of Arboriculture. May 2020
- **Sprucing Up Your Knowledge of Integrated Pest Management.** International Society of Arboriculture. April 2020
- **Selecting Trees: Alternative Trees to Crepe Myrtle.** International Society of Arboriculture. April 2020
- **Crepe Myrtle Scale: Emerging Science on Treatment.** International Society of Arboriculture. April 2020
- **California Pest Management: Polyphagous Shot Hole Borer and Gold Spotted Oak Borer.** International Society of Arboriculture. April 2020
- **Preventing and Managing Herbicide Damage in Trees.** International Society of Arboriculture. April 2020
- **Drought or Not: How to Manage Our Urban Trees.** International Society of Arboriculture. April 2020
- **Identify Trees by Photo & Scientific Name.** Illinois Chapter of the I.S.A. April 2020
- **A simple technique for online street tree inventories - is it right for my community?** International Society of Arboriculture. April 2020
- **Applications of Biochar for Arboriculture.** International Society of Arboriculture. April 2020
- **Identifying and Managing Cankers on Landscape Trees.** International Society of Arboriculture. April 2020
- **Creating Monarch Habitats For School and Communities.** Environmental Protection Agency. April 2020
- **Palm Diversity At Vondrozo Madagascar Palms.** American Society for The Horticultural Sciences. April 2020
- **Applied Tree Biology Lecture #1 Shoot Growth.** American Society For The Horticultural Sciences. April 2020
- **Calyptrocalyx Reflexus.** American Society For The Horticultural Sciences. April 2020

- **Safety and Incident Prevention.** Utility Arborist Association. April 2020
- **The Emerald Ash Borer Discovery Trail how to engage the public in emerald ash borer research.** Utility Arborist Association. April 2020
- **Rights of Way Habitat Endorsement.** Utility Arborist Association. April 2020
- **Tree Establishment.** Western Chapter I.S.A. March 2020.
- **What's my Tree Worth? An Introduction To Tree Appraisal.** International Society of Arboriculture. March 2020
- **Spotted Laternflies.** American Society For The Horticultural Sciences. March 2020
- **Subsidence and Tree Rooting Depth in Clay Soil.** American Society For The Horticultural Sciences. March 2020
- **Highways Tree Inspections for Ash Diebacks.** American Society For The Horticultural Sciences. March 2020
- **Trees Over Time: Branch Unions.** American Society For The Horticultural Sciences. March 2020
- **The Variant and the Invariant.** American Society For The Horticultural Sciences. March 2020
- **Drought or Not: How to Manage Our Urban Trees.** International Society of Arboriculture. April 2020
- **Identify Trees by Photo & Scientific Name.** Illinois Chapter of the I.S.A. April 2020
- **A simple technique for online street tree inventories - is it right for my community?** International Society of Arboriculture. April 2020
- **Applications of Biochar for Arboriculture.** International Society of Arboriculture. April 2020
- **Identifying and Managing Cankers on Landscape Trees.** International Society of Arboriculture. April 2020
- **2020 ASCA Consulting Academy.** Sacramento, California, February 2020
- **The Science of Sap Flow,** University of Massachusetts, February 2020
- **Botany for Arborists,** Western Chapter I.S.A., January 2020
- **Soil Management for Urban Trees,** International Society of Arboriculture, January 2020
- **Pruning Cuts: Best Management Practices-Tree Pruning,** 3rd Edition, International Society of Arboriculture, January 2020
- **WCISA Fall 2019 Home Study,** Western Chapter I.S.A., November 2019
- **Advanced Botany for Arborists,** Western Chapter I.S.A. July.2019
- **Integrated Pest Management (I.P.M.) for Wood Boring Insects,** Environmental Protection Agency, October 2019
- **Botany for Arborists: Leaves.** Western Chapter I.S.A., November 2019
- **Roadside Soil Enhancement,** International Society of Arboriculture, November 2019
- **Integrated Pest Management (I.P.M.) for Wood Boring Insects,** Environmental Protection Administration, November 2019
- **Botany for Arborist: Energy and Trees,** American Society for the Horticultural Science, November 2019
- **Syagrus Coronata and It's Twists, Palms,** American Society for the Horticultural Science, November 2019

- **Pruning Systems: Best Management Practices-Tree Pruning**, 3rd Edition, International Society of Arboriculture, November 2019
- **An Update on the Right of Way Stewardship Council (ROWSC)**, Utility Arborist Association, October 2019
- **Differences in Natural Bracing Between Early Mature Street Trees of Norway Maple and Small Leaf Lime**, American Society for the Horticultural Science, October 2019
- **Drought Stress Effects on Pest and Disease**, American Society for the Horticultural Science, October 2019
- **Balancing Risk and Retention**, American Society for the Horticultural Science, October 2019
- **Forever Not Green-Leaf Longevity and Fall Leaf Drop/Tree Longevity Groups**, American Society for the Horticultural Science, October 2019
- **Tartarian Maple "A Tough Tree That Wins in the Long Run,"** American Society for the Horticultural Science, October 2019
- **Quantitative Assessment of Desert Tree Shade**, American Society for the Horticultural Science, October 2019
- **Trees Over Time**, American Society for the Horticultural Science, October 2019
- **Tree Growth and Development in a Changing Climate**, International Society of Arboriculture, September 2019
- **Introduction to Urban Forestry Online Course**, International Society of Arboriculture, September 2019
- **The Cost Approach: Methods, Techniques, and Depreciation**, International Society of Arboriculture, September 2019
- **Integrated Pest M6T (I.P.M.) for Community Trees**, United States Environmental Protection Agency, July 2019
- **Attracting Wildlife and Obtaining Benefits from Urban Trees**, International Society of Arboriculture, June 2019
- **Remediating Compacted Soils Compromised by Urban Construction**, Dr. Nina Bassuk, International Society of Arboriculture, June 2019
- **Tree and Plant Appraisal Qualified (TPAQ) training and testing**, American Society of Consulting Arborist, May 2019
- **Plant Appraisal Data Collection**, International Society of Arboriculture, May 2019
- **Integrated Pest Management for Community Trees**, American Society for the Horticultural Science, May 2019
- **Water Movement in Trees**, American Society for the Horticultural Science, May 2019
- **The Influence of Small Direct Currents on the Transport of Auxins in Plants**, American Society for the Horticultural Science, May 2019
- **Effect of Electricity on Plant Growth**, American Society for the Horticultural Science, May 2019
- **Dynamic Variation in Sapwood Specific Conductivity in Six Woody Species**, American Society for the Horticultural Science, May 2019

- **Green Line Project Exploring Ecological Community Based Trans R.O.W. Maintenance**, Utility Arborist Association Webinar, April 2019
- **Canker Diseases on Landscape Hardwood Trees in the Western U.S.**, Utah State University, April 2019
- **Line Clearance and the New Z**, Ohio Chapter I.S.A., February 2019
- **An Early Season Pesticide Update**, Ohio Chapter I.S.A., February 2019
- **Botany for Arborists: Stems**, Western Chapter I.S.A., April 2019
- **Aiphanes Graminifolia of Columbia**, American Society for the Horticultural Sciences, April 2019
- **An Introduction to the Palms of Sulawesi**, American Society for the Horticultural Sciences, April 2019
- **Conservation Status of Attalea Nvcifern**, American Society for the Horticultural Sciences, April 2019
- **Diversity, Ecology, Ethnobotany of Palms**, Montufar, Couvrevr, Espinosa, Escobar Colombia, American Society for the Horticultural Sciences, April 2019
- **Hydriastele Gibbsiana a Remarkable Belly Palm from New Guinea**, American Society for the Horticultural Sciences, April 2019
- **New Minimum Vegetation Clearance Distance in FAC-003.4**, Utility Arborist Association, March 2019
- **Low-Impact Herbicide Transform Virginia R.O.W.**, Utility Arborist Association, March 2019
- **What Can Drones Do For Me**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **A.L.B. Presentation by Jonathan Shields**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Customer Service vs. Customer Experience**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Tree Defects and What They Mean**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Selling, Designing, and Maintaining Streetscapes**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Sidewalk Repair and Enforcement**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **You Can Take the Tree Out of the Forest**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Bat Management in the Urban Forest**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **The 5% Solution to Diversity in the Urban Forest**, Ohio Tree Care Conference, Sandusky, Ohio, February 2019
- **Maximizing Canopy Cover in Parking Lots**, Western Arborist, January 2019
- **Changing Urban Tree Canopy Cover in the United States**, International Society of Arboriculture, December 2018
- **Reducing Tree and Soil Damage During Construction**, International Society of Arboriculture, December 2018
- **Livistona Australis in 19th Century Europe, Horticulture V.I.P.**, American Society for the Horticulture Science, December 2018
- **Canary Island Date Palms (Phonex Canarienses) in Australia: Introduction and Early Dispersal**, American Society for the Horticulture Science, December 2018
- **Nypa Fruticans in the Western Atlantic Potential for Re-colonization**, American Society for the Horticulture Science, December 2018

- **Changing Urban Tree Canopy Cover in the United States**, U.S. Forest Service, December 2018
- **Phytophthora Root Rot**, Western Chapter I.S.A., December 2018
- **Branch Wood Decomposition of Tree Species in a Deciduous Temperate Forest in Korea**/Suangsub Cha, Hee Myung Chae, Sang-Hoon Lee, Jae-Kuk Shim, American Society for the Horticulture Science, December 2018
- **The Decomposition Rate of Non-stem Components of Coarse Woody Debris (CWD) in European Boreal Forests Mainly Depends on Site Moisture and Tree Species**/Shorohova Kapitsa, American Society for the Horticulture Science, December 2018
- **The Time Factor in the Differentiation of Secondary Xylem and Phloem in Pecan**/Artschwager, American Society for the Horticulture Science, December 2018
- **Age and Structure of a Northern Hardwood Selection Forest**/Tubbs, American Society for the Horticulture Science, December 2018
- **The Emerald Ash Borer: Strategies for Conserving Ash in the Urban Forest**, International Society of Arboriculture, November 2018
- **Nursery Production Systems and Their Impact on Urban Tree Growth and Development**, International Society of Arboriculture, October 2018
- **The Science of Fall Leaf Color Change in Trees**, University of Massachusetts, October 2018
- **New Jersey Shade Tree Conference**, Cherry Hill, NJ, October 18-19, 2018
- **Post-fire Conifer Regeneration in Ponderosa Pine Forests of the Southern Rocky Mountains**, University of Utah, August 2018
- **Tree Decline - Part I**, Western Chapter I.S.A., July 2018
- **Soils Panel**, International Conference, Columbus, Ohio, August 2018
- **Tree Biomechanics**, International Conference, Columbus, Ohio, August 2018
- **White Hat Hacking the TRAQ Methodology**, International Conference, Columbus, Ohio, August 2018
- **NASA and the Arborist: An Accidental Collaboration**, International Conference, Columbus, Ohio, August 2018
- **Street Tree Longevity: Tree Growth and Response Over Forty Years**, International Conference, Columbus, Ohio, August 2018
- **Engaging Citizen Scientists in Monitoring and Stewardship of Young Trees**, International Conference, Columbus, Ohio, August 2018
- **Urban Sites and Tree Architecture as Indicators of Tree Performance**, International Conference, Columbus, Ohio, August 2018
- **In a Transforming Neighborhood, Partnering to Grow the Urban Forest**, International Conference, Columbus, Ohio, August 2018
- **How Much Can the Ground Take**, International Conference, Columbus, Ohio, August 2018
- **Full-Scale Testing on Trees Contact with the 25k Volt Feeders**, International Conference, Columbus, Ohio, August 2018

- **Morphophysiology and Management of Veteran Trees** - Two Case Studies, International Conference, Columbus, Ohio, August 2018
- **Assessment of Six Practical Indicators of Street Tree Establishment**, International Conference, Columbus, Ohio, August 2018
- **The Survivor Tree: Witness to Tragedy, Symbol of Strength.** International Conference, Columbus, Ohio, August 2018
- **Online Seminar (Trees in Hurricane Winds)**, Municipal Arborist Training G.B.C., August 2018
- **Tree Q & A with Extension Forestry Expert**, University of Utah, August 2018
- **Biology and Identification of Fungi**, International Society of Arboriculture, July 2018
- **Wood Decay Fungi Identification and Management**, International Society of Arboriculture, July 2018
- **Can We Enhance the Urban Environment with Non-native Trees and Shrubs?** University of Utah, June 2018
- **Utilizing Technology to Improve Natural Disaster Restoration Efforts**, Utility Arborist Association, June 2018
- **Bee Diversity Surveys of Power Line Rights-of-Way in Pennsylvania**, Utility Arborist Association, June 2018
- **Assessing the Viability and Recoverability of Trees Exposed to Fire**, Western Arborist, May 2018
- **Determining Impacts on Wildlife from Emerald Ash Borer**, University of Minnesota, Duluth, March 2018
- **Real Facts About Climate Change & Urban Trees: How should we prepare?** University of Massachusetts, March 2018
- **Biscogniauxia Canker**, Western Chapter I.S.A., January 2018
- **Diagnosing & Correcting the Physical & Chemical Problems Encountered in Urban Soil, Ohio** Tree Care Conference, Columbus, Ohio, February 2018
- **5 Most Common Mistakes Made in the Landscape - How Can We "Raise the Bar" and Are You Guilty?** Ohio Tree Care Conference, Columbus, Ohio, February 2018
- **Research Project: Survey of Bee Assemblages**, Ohio Tree Care Conference, Columbus, Ohio, February 2018
- **Ice Storms & Tree Damage: Risks & Expectations**, Ohio Tree Care Conference, Columbus, Ohio, February 2018
- **Climate Variability & Tree Growth**, Ohio Tree Care Conference, Columbus, Ohio, February 2018
- **Ohio Trees & Native Bees**, Ohio Tree Care Conference, Columbus, Ohio, February 2018
- **Making Urban Trees Count: Quantifying and Crediting Stormwater Benefits**, U.S. Forest Service, January 2018
- **Urban Trees & The Law: The Arborist's Perspective**, University of Massachusetts, January 2018
- **Utility Arborists to the Rescue!** Utility Arborist, International Society of Arboriculture, January 2018
- **Monarch Movement: Saving a Species**, Utility Arborist, International Society of Arboriculture, January 2018
- **The Smart Use of Controlled Herbicides**, Utility Arborist, International Society of Arboriculture, January 2018

- **Core Training**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Core Training, Safety Basics**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **New Products for Crabgrass and Broadleaf Control**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Weed Control in Landscape Beds**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Turf Pest Update**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Minimum Risk Pesticides**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Keys to Diagnosing Pest/Disease Problems in Lawns**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Ornamental Pest Update**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Ornamental Disease Update**, The Ohio State University Extension Pesticide Recertification Training, Dayton, Ohio, January 2018
- **Performing an Urban Site Assessment of Street Tree Planting Sites**, University of Massachusetts, December 2017
- **LANDFIRE - All Lands Data from Vegetation to Fuels: Planning, Engagement, and Feedback**, USDA Forest Service, International Society of Arboriculture, December 2017
- **Tree Inventories**, International Society of Arboriculture, December 2017
- **Tree Nitrogen, Content & Balance**, Ohio Chapter I.S.A., December 2017
- **Entomology for Arborists**, Western Chapter I.S.A., November 2017
- **(TRAQ)Tree Risk Assessment** Requalification Renewal, Lansing Michigan, November 2017
- **Maximizing Pest Management Strategies**, International Society of Arboriculture, November 2017
- **Effects of Nature on Health and Wellness**, International Society of Arboriculture, November 2017
- **Trends and Regulations Shaping Training**, International Society of Arboriculture, November 2017
- **Palms: Woody Giants of the Monocots Part 2**, International Society of Arboriculture, October 2017
- **Hold on to Your Ash!** New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Tree Risk Assessment Qualifications (TRAQ)**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Soil Analysis**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Street Trees for Communities**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Tree Biomechanics: Wind Loads and Storms**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017

- **Tort Claim Act, Community Forestry Act, Municipal Attorneys, and Shade Tree Commissions**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Pruning – How to Get What You Want with Emphasis on Specifications and ANSI Standards**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **State Emergency Management Operations and Disaster Management Planning for New Jersey's Community Forestry Programs**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Tree Disease Update – Diseases of Elm and Oak**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Problems Diagnosing Essential Elements of Deficiency and Toxicity in Trees**, New Jersey Shade Tree Conference, Cherry Hill, NJ, October 2017
- **Fruit & Nut Pruning for Arborists**, The University of California Agriculture and Natural Resources, October 2017
- **Palms: Woody Giants of the Monocots**, International Society of Arboriculture, September 2017
- **ONLA Diagnostic Walkabouts**, Huron Ohio, September 2017
- **Planting for Success: Innovation in the Urban Environment**, University of Massachusetts, September 2017
- **2017 ONLA Diagnostic Walkabouts**, Akron, Ohio, August 2017
- **Tree Growth and Response in a Changing Environment**, University of Massachusetts, August 2017
- **Root Pruning Part 2**, International Society of Arboriculture, July 2017
- **Vines and Utility Arboriculture**, International Society of Arboriculture, June 2017
- **Sustainability with Trees: Community Canopy Project**, Utah State, June 2017
- **Tree Risk Assessments: Cutting Edge Science Meets Practical Applications**, US Forest Service, May 2017
- **Planting for Success: Selecting Trees for Tough Urban Sites**, University of Massachusetts, May 2017
- **Scolytid Beetles and Fungal Symbionts**, Western Chapter I.S.A., May 2017
- **Bur Oak Blight Management**, International Society of Arboriculture, May 2017
- **Urban Trees and the Law**, University of Massachusetts Extension, May 2017
- **A New Approach to Quantify Growth Response**, International Society of Arboriculture, April 2017
- **Identifying, Preventing and Correcting Winter Injury on Landscape Plants**, Ohio Chapter I.S.A., April 2017
- **Tree Risk Assessment - Perceptions, Reality and Reliability**, International; Society of Arboriculture, April 2017
- **Tree Risk Assessment**, University of Alabama Extension, April 2017
- **Fine Root Growth Response**, International Society of Arboriculture, April 2017
- **How to Build a Production Team for Plant Health Care Delivery**. International Society of Arboriculture. March 2017
- **Plant Health Care and Diagnostics**, International Society of Arboriculture, March 2017
- **Does Modulus of Elasticity Vary?** International Society of Arboriculture, March 2017
- **Storm Resiliency Program for Trees**, International Society of Arboriculture, February 2017

- **Root Crown Excavation**, Western Chapter of the International Society of Arboriculture, January 2017
- **Urban Wood Utilization: Options and Alternatives**, University of Massachusetts, January 2017
- **Soil Compaction and Urban Trees: Strategies for Gaining Ground**, University of Utah, January 2017
- **Biomechanics & Dynamics in Trees**, International Society of Arboriculture, January 2017
- **Branch Failure and Risk Mitigation**, International Society of Arboriculture, December 2016
- **Understanding Tree Responses to Stress Complexes**, International Society of Arboriculture, December 2016
- **Understanding the Benefits and Cost of an Urban Ecosystem**, The Ohio State University Green Industry Short Course at the Ohio Turf Grass Foundation Meetings, Columbus, Ohio, December 2016
- **Communicating The "Trees Matter" Message To The Public, Our Clients And Elected Officials**, The Ohio State University Green Industry Short Course at the Ohio Turf Grass Foundation Meetings, Columbus, Ohio, December 2016
- **The "Dirt" On Soils And Roots And Their Relationship To Tree Health**, The Ohio State University Green Industry Short Course at the Ohio Turf Grass Foundation Meetings, Columbus, Ohio, December 2016
- **Girdling Roots-What You Need To Know At The Ground Level**, The Ohio State University Green Industry Short Course at the Ohio Turf Grass Foundation Meetings, Columbus, Ohio, December 2016
- **Essential Elements of Tree Health**, International Society of Arboriculture, November 2016
- **Lightning Impacts on Trees**, International Society of Arboriculture, November 2016
- **Tree Risk Assessment: A Review of the Literature**, International Society of Arboriculture, November 2016
- **Biochar as a Soil Amendment**, International Society of Arboriculture, November 2016
- **Lightning Impacts on Trees**, International Society of Arboriculture, November 2016
- **Organic Pesticides the Science behind their Efficacy**, International Society of Arboriculture, November 2016
- **Lichen 101: What an Arborist Needs to Know**, International Society of Arboriculture, November 2016
- **Effects of Nature on Health and Wellness**, International Society of Arboriculture, November 2016
- **Trends and Regulations Shaping Training**, International Society of Arboriculture, November 2016
- **"November Forestry Lunch and Learn,"** University of Utah, November 2016
- **The Galling of America**, Kentucky Chapter I.S.A., October 2016
- **Professionalism-That's Not My Job**, Kentucky Chapter I.S.A., October 2016
- **Ethics in Arboriculture**, Kentucky Chapter I.S.A., October 2016
- **The Perils of Mulch**, Kentucky Chapter I.S.A., October 2016
- **Severe Weather Warnings: Separating Fact from Fiction**, Kentucky Chapter I.S.A., October 2016
- **Using TRAQ to Model Wind Speeds**, Kentucky Chapter I.S.A., October 2016
- **The Heat is On: Record Temps and Landscape Pests**, University of Massachusetts, October 2016
- **Case for Mulch**, International Society of Arboriculture, October 2016
- **Reports: The Write Way**, International Society of Arboriculture, October 2016
- **Why Trees Die**, International Society of Arboriculture, October 2016
- **Effects of Hurricane Sandy**, International Society of Arboriculture, October 2016

- **Liability, Negligence, and Acts of God**, International Society of Arboriculture, October 2016
- **Trees and Water**, Western Chapter I.S.A., September 2016
- **Basic Tree Plumbing: Translocation**, International Society of Arboriculture, August 2016
- **Tree Injection part 1**, International Society of Arboriculture, August 2016
- **Tree Injection**, International Society of Arboriculture, July 2016
- **Bark Traits are Important to Tree health and Survival**, International Society of Arboriculture, March 2016
- **Growth in Trees**, Western Chapter I.S.A., February 2016
- **Writing Pruning and Planting Specifications: Incorporating the Latest Practices into Written Documents**, The Ohio Turf Grass Foundation and the Ohio State University Green Industry Short Course, Columbus, Ohio, December 2015
- **An Introduction to iTree-Technology and Trees**, The Ohio Turf Grass Foundation and the Ohio State University Green Industry Short Course, Columbus, Ohio, December 2015
- **Recommended Trees for Ohio**, The Ohio Turf Grass Foundation and the Ohio State University Green Industry Short Course, Columbus, Ohio, December 2015
- **Retrenchment, Reduction, Topping: The Same Difference?** The Ohio Turf Grass Foundation and the Ohio State University Green Industry Short Course, Columbus, Ohio, December 2015
- **Proper Tree Selection for Golf Courses**, The Ohio Turf Grass Foundation and the Ohio State University Green Industry Short Course, Columbus, Ohio, December 2015
- **Trees and Turf: Unnatural Neighbors**, The Ohio Turf Grass Foundation, and the Ohio State University Green Industry Short Course. Columbus, Ohio, December 2015
- **Common Tree Concerns during the Fall**, Ohio Chapter I.S.A., October 2015
- **Managing Bark Beetles**, Western Chapter I.S.A., October 2015
- **An Analysis of the Field Precision of the CTLA Trunk Formula Method**, International Society of Arboriculture, October 2015
- **Tree Lightning Protection Systems**, International Society of Arboriculture, October 2015
- **Cracks, Crevices, Splits, and Fissures - What's Normal?** Kentucky Chapter I.S.A., Annual Conference, October 2015
- **Tree Disease Overview: Bacterial Plant Pathogens in Urban Landscapes**, Kentucky Chapter I.S.A., Annual Conference, October 2015
- **Mushrooms, Molds and Mycorrhizae, Mycological Solutions for Healthy Trees, Water and Soil**, Kentucky Chapter I.S.A., Annual Conference, October 2015
- **Trees as Green Infrastructure-How Perception of Trees Influence Management Decisions**, Kentucky Chapter I.S.A., Annual Conference, October 2015
- **2015 Insect Update**, Kentucky Chapter I.S.A., Annual Conference, October 2015
- **Great Trees for the Urban Landscape**, Kentucky Chapter I.S.A., Annual Conference, October 2015
- **Emerald Ash Bore Update**, University of Massachusetts, October 2015
- **Tree Biology – Anatomy**, International Society of Arboriculture, September 2015

- **Tree Worker Safety – Safety**, International Society of Arboriculture, August 2015
- **They're Coming...Planning Ahead for the Urban Landscape Pests of 2015**, International Society of Arboriculture, Penn-Del Chapter, June 2015
- **Technology, Pests and Urban Trees**: Penn-Del Chapter International Society of Arboriculture, May 2015
- **Pest Update**, University of Massachusetts Department of Environmental Conservation, April 2015
- **How's My Driving**, Utility Arborist Association, April 2015
- **Extreme Weather is the New Normal**, Utility Arborist Association, April 2015
- **Fall Protection Prevention**, Utility Arborist Association, April 2015
- **Diagnosing Abiotic Disorders**, Western Arborist, Western Chapter International Society of Arboriculture, April 2015
- **Biology and Assessment of Callus and Woundwood**, Arborist News, International Society of Arboriculture, April 2015
- **Structural Soils in the Urban Environment: The Practitioner's Perspective**, University of Massachusetts Department of Environmental Conservation, March 2015
- **Research on branch failure: Strength loss, elasticity & taper**, The Ohio Tree Care Conference, February 2015
- **Emerald Ash Borer Equipment and B.M.P.s**, Rainbow Tree Care Scientific Webinar, March 2015
- **The Cost of Not Maintaining the Urban Forest**, International Society of Arboriculture, February 2015
- **Turf Weed Control Broadleaf Weed Control Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Turf Weed Control Grassy Weed Control Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Insect and Mite Control Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Regulatory Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Ornamental Weed Control Sustainable Landscapes**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Turf Insect Control Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Invasive Forest and Shade tree Pests**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Ornamental Disease Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Turf Disease Update**, Ohio Pesticide Safety Education Program, The Ohio State University Extension, February 2015
- **Thigmomorphogenesis: How Trees Respond to Wind**, Ohio Tree Care Conference, February 2015
- **Dendrochronology: The Details are in the Tree Rings**, Ohio Tree Care Conference, February 2015

- **The Role of the Ohio Division of Forestry, Ohio** Tree Care Conference, February 2015
- **Utilizing R.O.W. and Urban Trees: Are They Marketable**, Ohio Tree Care Conference, February 2015
- **Improving Tree Worker Safety: Tackling the "Big Four,"** Ohio Tree Care Conference, February 2015
- **Rope Splicing**, North American Training Solutions, Chagrin Falls, OH, January 2015
- **Canker Diseases-Part III** Western Chapter I.S.A., January 2015
- **Symbiosis of Parasites and Epiphytes**, International Society of Arboriculture (I.S.A.), December 2014
- **Tree Risk Assessment for Municipalities**, International Society of Arboriculture (I.S.A.), November 2014
- **On-line Arborist Ropes**, International Society of Arboriculture (I.S.A.), October 2014
- **Considerations in Installing Cables in Trees**, International Society of Arboriculture (I.S.A.), October 2014
- **Wildlife Protector Certification**, International Society of Arboriculture (I.S.A.), August 2014
- **Flood Tolerant Trees in Urban Sphere**, International Society of Arboriculture (I.S.A.), August 2014
- **Keeping Evergreens Green**, International Society of Arboriculture (I.S.A.), July 2014
- **Quercus Prinus – Chestnut Oak**, International Society of Arboriculture (I.S.A.), July 2014
- **Integrated Vegetation Management**, International Society of Arboriculture (I.S.A.), June 2014
- **Advanced Twig Anatomy: Part 2**, International Society of Arboriculture (I.S.A.), 2014
- **Rights-of-way Terms and Conditions**, International Society of Arboriculture (I.S.A.), 2014
- **Risk Reduction in Tree Work**, International Society of Arboriculture (I.S.A.), 2014
- **Tree Windthrow**, International Society of Arboriculture (I.S.A.), 2014
- **Change is Normal – It's the Speed that Can Create Challenges**, International Society of Arboriculture (I.S.A.), 2014
- **Mock Trial Based on Ohio Tree Law**, International Society of Arboriculture (I.S.A.), 2014
- **Elm Yellows and Dutch Elm Disease**, International Society of Arboriculture (I.S.A.), 2014
- **Advanced Twig Anatomy: Part I**, International Society of Arboriculture (I.S.A.), 2014
- **Storm Response Part 4: Unique Aspects A.I.N. Quiz**, International Society of Arboriculture (I.S.A.), 2013
- **I.S.A. Podcast (The Case of the Stubborn Streaks)**, International Society of Arboriculture (I.S.A.), 2013
- **Online Diagnosis and Disorder Abiotic Disorders**, International Society of Arboriculture (I.S.A.), 2013
- **Online Tree Maintenance Lightning Protection Systems**, International Society of Arboriculture (I.S.A.), 2013
- **Online Soil and Water: Trees and Water**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – How Critters Use Bark and Wood as Food**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – American Mistletoe: Kissing Under a Parasite**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Cool Trees: Surviving Cold Temperatures**, International Society of Arboriculture (I.S.A.), 2013

- **Tree Science – Identifying Wood Decay and Wood Decay Fungi in Urban**, International Society of Arboriculture (I.S.A.), 2013
- **Arborist New (Storm Response Part I)**, International Society of Arboriculture (I.S.A.), 2013
- **BYGL “Hands-on” Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Adventitious Roots: Occurrence and Management in Urban Tree**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Problems Related to pH**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Damage and Disorders: Steps to Proper Diagnosis**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Plant Traits that Resemble Abiotic Disorders**, International Society of Arboriculture (I.S.A.), 2013

- **Tree Science – The Arboricultural Misfits: The Biological Classification**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Palms: Not Just for the Tropics**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Science – Classified: Conifers and Yews**, International Society of Arboriculture (I.S.A.), 2013
- **Tree Risk Assessment Qualification (TRAQ) Courses**, International Society of Arboriculture (I.S.A.), 2013
- **BYGL “Hands-on” Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2013
- **Anyone Can Do Tree Work**, International Society of Arboriculture (I.S.A.), 2013
- **Pruning: Is it Something to the Tree or for it?** International Society of Arboriculture (I.S.A.), 2013
- **2012 Top 10 Tree Pest: From the Pages of the BYGL**, International Society of Arboriculture (I.S.A.), 2013
- **Safe Use of Knuckle Booms and Cranes in Arboricultural Operations**, International Society of Arboriculture (I.S.A.), 2013
- **How to Implement and Develop a Safety Program**, International Society of Arboriculture (I.S.A.), 2013
- **K.A.A. 2012 Annual Conference**, International Society of Arboriculture (I.S.A.), 2013
- **Arborist News (Root MGMT Challenges in Urban Sites)**, International Society of Arboriculture (I.S.A.), 2012
- **Arborist News (Tree Risk Assessment Structural Defects and Conditions)**, International Society of Arboriculture (I.S.A.), 2012
- **BYGL ‘Bluegrass’ “Hands-on” Insect/Disease**, International Society of Arboriculture (I.S.A.), 2012
- **A.L.B. Certification and Compliance Agreement Training**, International Society of Arboriculture (I.S.A.), 2012
- **BYGLive Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2012
- **Arborist News (Tree Rings and the Local Environment)**, International Society of Arboriculture (I.S.A.), 2012
- **Moving Forward with Science-Based Arboriculture: New Developments in Tree Care**, International Society of Arboriculture (I.S.A.), 2012
- **BYGLive “Hands-on” Insect/Disease Diagnosis**, International Society of Arboriculture (I.S.A.), 2011

- **BYGL**, International Society of Arboriculture (I.S.A.), 2011
- **BYGLive "Hands-on" Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2009
- **BYGL "Bluegrass" Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2008
- **Field Nutrition**, International Society of Arboriculture (I.S.A.), 2008
- **Phat Container Stock**, International Society of Arboriculture (I.S.A.), 2008
- **BYGLive "Bluegrass" Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2007
- **Container Nutrition**, International Society of Arboriculture (I.S.A.), 2007
- **Bark Splitting**, International Society of Arboriculture (I.S.A.), 2007
- **On Pines and Needles**, International Society of Arboriculture (I.S.A.), 2007
- **Ambrosia Beetle: What is it...**, International Society of Arboriculture (I.S.A.), 2007
- **Soil Conservation in the Nursery**, International Society of Arboriculture (I.S.A.), 2007
- **Plant Selection Committee Update**, International Society of Arboriculture (I.S.A.), 2007
- **Wednesday Morning**, International Society of Arboriculture (I.S.A.), 2006
- **Wednesday PM**, International Society of Arboriculture (I.S.A.), 2006
- **Wednesday Evening Street Tree**, International Society of Arboriculture (I.S.A.), 2006
- **Building Positive Relations with Your Employees**, International Society of Arboriculture (I.S.A.), 2006
- **Use of Mycorrhizal Fungi in Nursery Production...**, International Society of Arboriculture (I.S.A.), 2006
- **Ohio Native Plants**, International Society of Arboriculture (I.S.A.), 2006
- **Landscapers, Are You Ready for an OSHA Inspection?**, International Society of Arboriculture (I.S.A.), 2006
- **"Hands-on" Insect/Disease Diagnostics**, International Society of Arboriculture (I.S.A.), 2005
- **O.S.U. Nursery Short Course (Research Update)**, International Society of Arboriculture (I.S.A.), 2005
- **O.S.U. Nursery Short Course (Research vs. Reality)**, International Society of Arboriculture (I.S.A.), 2005
- **O.S.U. Nursery Short Course (The Genus Quercus)**, International Society of Arboriculture (I.S.A.), 2005
- **O.S.U. Nursery Short Course (Producing Tree Liners)**, International Society of Arboriculture (I.S.A.), 2005
- **Alien Invaders**, International Society of Arboriculture (I.S.A.), 2004
- **Blue Grass "Hands-on" Insect/Disease Diagnosis**, International Society of Arboriculture (I.S.A.), 2004
- **Hazard Trees**, International Society of Arboriculture (I.S.A.), 2003
- **Understanding Galls**, International Society of Arboriculture (I.S.A.), 2003
- **Proper Planting of Tree in the Nursery and Landscape**, International Society of Arboriculture (I.S.A.), 2003
- **I.D. of Evergreen Trees and Shrubs**, International Society of Arboriculture (I.S.A.), 2002
- **Introduction of Woody Plant**, International Society of Arboriculture (I.S.A.), 2002
- **Wednesday Morning**, International Society of Arboriculture (I.S.A.), 2002
- **Lab: Identification of Key Insect Groups**, International Society of Arboriculture (I.S.A.), 2002
- **I.P.M. and P.H.C.: A Historical Perspective**, International Society of Arboriculture (I.S.A.), 2002
- **Days and Phenology**, International Society of Arboriculture (I.S.A.), 2002

- **Evening Insect Walk**, International Society of Arboriculture (I.S.A.), 2002
- **Thursday Morning**, International Society of Arboriculture (I.S.A.), 2002
- **Thursday Afternoon**, International Society of Arboriculture (I.S.A.), 2002
- **20 Questions of Plant Problem Diagnostics**, International Society of Arboriculture (I.S.A.), 2002
- **BYGLive "Hands-on" Insect and Disease ID**, International Society of Arboriculture (I.S.A.), 2002
- **BYGLive "Hands-on" Plant Problems Series**, International Society of Arboriculture (I.S.A.), 2000
- **4th Annual Bluegrass**, International Society of Arboriculture (I.S.A.), 2001
- **Ten Trees You Should Know**, International Society of Arboriculture (I.S.A.), 2001
- **Why Are My Plants Dying?** International Society of Arboriculture (I.S.A.), 2001
- **Test Plot Tour and Rating**, International Society of Arboriculture (I.S.A.), 2001
- **Effects of Mulch on Soil Ecology and Tree**, International Society of Arboriculture (I.S.A.), 2001
- **Secret Arboretum Walk**, International Society of Arboriculture (I.S.A.), 2001
- **Air Spade Look at Roots**, International Society of Arboriculture (I.S.A.), 2001
- **Electron Bean Analysis**, International Society of Arboriculture (I.S.A.), 2001
- **Soil Fertility and Insect Resistance**, International Society of Arboriculture (I.S.A.), 2001
- **Plant Health Care 2001**, International Society of Arboriculture (I.S.A.), 2001
- **Plant Health Care Workshop**, International Society of Arboriculture (I.S.A.), 2000

Professional Memberships and Affiliations

- Association for Tree-Ring Research 2022-Present
- American Fern Society. 2021 – Present
- International Society of Arboriculture (I.S.A.), 2000-Present
 - Ohio Chapter, 2000-Present
 - Education and Public Outreach Committee, 2013-2022
 - License Plate Committee 2017-2023
 - Co-Chairperson Marketing Committee 2021-Present
 - Chairperson Marketing Committee 2017-2019
 - Chairperson Ohio Tree Planter Certification Committee Ohio Chapter ISA 2022-present
 - Marketing Committee 2017-Present
 - Received an Award of Merit recognizing him for outstanding and meritorious service in establishing a Marketing Committee to advance the principles, ideals, and practices of arboriculture in Ohio, February 2019
 - Board of Directors (elected by membership), 2017-2019
 - International Conference Local Host Committee 2017-2018
 - Florida Chapter, 2014-Present
 - Illinois Chapter, 2016-Present

- Indiana Chapter, 2013-Present
- Kentucky Chapter, 2000-Present
- Mid Atlantic Chapter, 2014-Present
- Midwest Chapter, 2015-Present
- Michigan Chapter 2016-Present
- New England Chapter, 2014-Present
- New Jersey Chapter, 2014-Present
- New York State Chapter, 2014-Present
- Pacific Northwest Chapter, 2015-Present
- Pennsylvania-Delaware Chapter, 2014-Present
- Southern Chapter, 2015-Present
- Texas Chapter ISA 2024-present
- Western Chapter, 2014-Present
- Wisconsin Chapter, 2014-Present
- Chartered Institute of Horticulture. Admitted member #17541. MCIHort 2021-Present
- International Dendrology Society 2019-Present
- Ohio Nursery and Landscape Association(ONLA) 1997-2022
- Ohio Green's Industry (OGI)(Formally the ONLA) 2022-Present
 - Education and Scholarship Committee member, 2010-2016
 - Plant Selection Committee member, 2009-2010
- Society of American Foresters. 2021-Present
- Tree-Ring Society, 2016-Present
- Utility Arborist Association, 2014-Present
- International Oak Society 2018-Present
- Jefferson Twp. Farmers' Market, Founder, and President, 2012-2014
- Garden Academy of the Dayton Home and Garden Show, Founder, 2011-2013
- Cox Arboretum, Dayton Ohio Board of Directors, 2004-2005
- Arboricultural Research and Education Academy
- Urban Tree Growth and Longevity Working Group
- Arboricultural Association, United Kingdom 2012-Present
- The New Jersey Shade Tree Federation, 2018-Present
- The International Palm Society, 2018-Present
- American Society of Consulting Arborist- admitted member, 2019-Present
 - Ad hoc Marketing Committee 2021-2022
 - Marketing Committee 2022-2024
 - Tree and Plant Appraisal Qualification (TPAQ) Advisory Committee 2022-Present

TPAQ Appeals and Complaints Sub-Committee. 2022-present

- American Society for Horticultural Science, 2018-Present
- ASHS (American Society for Horticultural Science) Certified Professional Horticulturist (C.P.H.) Board, 2019-2023
- ASHS Invasive Plants Research Group, 2019-Present
- ASHS Organic Horticulture Group, 2019-Present
- ASHS Ornamental and Landscape Turf Group, 2019-Present
- ASHS Plant Growth Regulation Group, 2019-Present
- ASHS Root Growth and Rhizosphere Dynamics Group, 2019-Present
- ASHS Weed Control and Pest Management Group, 2019-Present
- American Phytopathological Society 2015-Present
- OSHA (Occupational Safety and Health Administration) Small Business Advocacy Review Panel for Tree Care Industry Rules, 2020

Publications

- Peer-reviewed "Read the Label". Written by Ronald Rothus. Trees4Ohio.org. July 2024
- Co-Authored Spotted Lanternfly. Trees4Ohio.org. December. 2023
- Peer-reviewed "Turkish Filbert" Written by Drew Todd. Trees4Ohio.org. January 2024
- Late Fall Is A Great Time To Check Your Trees for Fungi. October 2023. Tree4Ohio.org
- Osage Orange. Trees4Ohio. Andrew Todd. Peer-reviewed. October 2023
- (Peer reviewed) Kentucky Coffee Tree. Andrew Todd. June. Trees4Ohio.org. July 2023
- (Peer-reviewed). How and Why to Hire an Arborist. Ohio State University Extension Bulletin. Boggs, Joe, Amy Stone. June. 2023
- Sample Ohio Tree Planting Specifications. Co-authored with other committee member Tree Planting Ohio Chapter ISA. May 2023
- Good Bugs Bad Bugs. Trees4Ohio.org. Ohio Chapter ISA. April 2023
- Ohio Tree Planting Guide Brochure. Ohio Chapter ISA. November 2022
- Save the Tree ~ See the Benefits. Trees4Ohio.org. October 2022
- Garden Talk Newsletter. (Authored Numerous Newsletters) WHIO Radio 1997-2001
- Good Bugs v Bad Bugs. Trees4ohio.org. August 2022
- What is a Registered Consulting Arborist. American Society of Consulting Arborist. May 2022
- Ohio Green Industry Association Plant Health Care Newsletter volume 6 (Peer-review the document)
- Oak Wilt Awareness Flyer. Trees4ohio.org. January 2022
- Tree Benefits Worksheet Poster. Trees4ohio.org. December 2021
- Be Thankful that you can still plant a tree. Trees4Ohio.org. November 2021
- Overcup Oak. Tree of the Month. Trees4Ohio.org. September 2021
- Leave the Leaves be. Trees4Ohio.org. September 2021

- Benefits of Removing Invasive Plants. June 2021. Trees4Ohio.org
- Ohio Tree Selection Using Soil pH and Drainage Data. Buckeye Arborist. July/August 2021
- Soil Amendments when Planting Trees. May 2021. Trees4Ohio.org
- Invasive Plants in Ohio. Trees4ohio.org. April 2020.
- Spectral Reflectance, Tree Risk Analysis, and Management. New England Arborist. February 2021
- Tree Hazard Identification Flyer. Rimkus Consulting. January 2021
- Fruit Tree & Shade Tree Training. Trees4ohio.org. January 2021
- Tree Abnormalities Identification, Formation, Biology and Nomenclature CEU's For Arborist, Buckeye Arborist. January-February 2021
- Paw Paw. trees4ohio.org. January 2021
- Dormant Pruning. trees4ohio.org. January 2021
- American Sweetgum. trees4ohio.org. December 2020
- Broadleaf Weed Control Products and Tree Injury. Buckeye Arborist. September/October 2020
- Properly Watering of Trees. trees4ohio.org. July 2020
- Dangers of Do-it-Yourself Tree Pruning and Removals. trees4ohio.org. May 2020
- Flowering Dogwoods. trees4Ohio.org May 2020
- Flowering Cherry's. trees4Ohio.org. April 2020
- Spectral Reflectance, Tree Risk Analysis, and Management, Buckeye Arborist, vol. 51, number 2, March/April 2020
- Swamp White Oak, trees4Ohio.org, March.2020
- Plan to Plant for Success, Ohio Chapter I.S.A., February 2020
- Bald Cypress, trees4ohio.org, December 1999
- Nootka Falsecypress or the Alaska Cedar (*Chamaecyparis nootkatensis*), trees4ohio.org, January 2020
- Increase Your Client Base-Takes Less than 5 Minutes, Buckeye Arborist, November/December 2019
- Sawtooth Oak, trees4ohio.org, November 2019
- Northern Red Oak, trees4ohio.org, October 2019
- Shellbark Hickory, trees4ohio.org, September 2019
- Memorial Day Tornado's Tree Damage: "Lessons Learned," Buckeye Arborist, page 13, volume 50, no. 4, July/August 2019. Republished in the New England Arborist. April 2020. Republished in the New England Chapter I.S.A. Quarterly Newsletter. Spring 2020. Republish Arborist News. June/July 2020
- Tree of the Month-Tennessee Pink Flowering Redbud (*Cercis canadensis* 'Tennessee Pink'), trees4ohio.org, July 2019
- Trees Are Cool! Press Release, trees4ohio.org, July 2019
- Tree of the Month-Ohio Buckeye (*Aesculus glabra*), trees4ohio.org, June 2019
- Tree Root Damage from Lawn Mowers 'Don't Create a Tree Hazard.' Ohio Chapter I.S.A., press release for treesforohio.com, May 2019

- Can Trees Survive 185 mph Winds: Hurricane Irma & Maria Survivor Trees and Lessons Learned, Buckeye Arborist, Volume 49, Number 3, May/June 2018 (Republished Western Arborist August 2018), Republished as continuing education units for Certified Arborist Seminars for Municipal Arborist
- How Forest Forensics Could Prevent the Theft of Ancient Trees, Smithsonian.com, September 2017
- The Bark of a Tree, "The Great Protector and Resource." Shade Tree Notes, New York State Arborists, Winter 2017. Republished by Citygreen Australia, February 2017. Republished January 2018 at gibneyce.com as a continuing education unit for Certified Arborist
- "Hand Saws" Finding the Right Cut, Tree Tech Bytes, Buckeye Arborist, Volume 47, Number 5, September/October 2016
- Improving Root Distribution in Nursery Trees. Western Arborist, Volume 42, Number 2, Summer 2016. Republished by Citygreen Australia, October 2016
- The 4 Steps to Training Tree Roots in the Right Direction, Shade Tree Notes, New York State Arborists, Summer 2016
- Electronic pH Testers, Tree Tech Bytes, Buckeye Arborist, Volume 47, No. 3, May/June 2016
- Swamp White Oak "The Adaptable and Long-Lived Urban Tree," Ohio Cemetery Association, Volume 6, Issue 2, April 2016
- From the Ground Up "How to Protect Trees During Construction, Parks and Recreational Business, March 2016
- How Healthy is my Tree? A Measure of Carbohydrate Storage, Buckeye Arborist, January/February 2016
- The Lovely Larches of Woodland, Woodland Wire, August 1, 2014, Republished by the Ohio Cemetery Association, January 2016
- Tree Herbicide Injury "How to Recognize and Prevent It," Buckeye Arborist, Volume 46, No. 6, November/December 2015
- Guide for Successful Pruning of Evergreen Trees, Buckeye Arborist, September/October 2015
- Diagnosis of Plant Decline and Death "What is the primary/root cause: abiotic vs. biotic?" Buckeye Arborist, July/August 2015
- A Protocol in Foliar Analysis, "An Arborist's Best Practices in Nutrient Management," Buckeye Arborist, May/June 2015
- Don't Fertilize Without a Soil Test: "A Protocol on Soil Sampling," Buckeye Arborist, March/April 2015
- Vertical Mulching of Trees, "Giving Tree Roots a Breath of Fresh Air," Ohio Cemetery Association Journal, January 2015
- Fall Arrest Compliant Standards Beyond ANSI Z133, Buckeye Arborist, January-February 2015
- The Big Burr or Bur of Oak Trees, Buckeye Arborist, January-February 2015
- Seeing what a Tree is REALLY telling you, "Stress Detection Glasses," The Buckeye Arborist, November/December 2014
- Cucumber Magnolia, Woodland Wire, October 2014
- Will that tree hit my house? The Buckeye Arborist, September/October 2014

- The Lovely Larches of Woodland, Woodland Wire, August 1, 2014
- How and when do you advise a client to water? Ohio Chapter I.S.A., July 2014
- Raging Redbuds, Woodland Wire, May 2014
- Tree Tech Bytes Editor for The Buckeye Arborist, 2014-2019
- Raging Redbuds Article, Woodland Cemetery, and Arboretum, 2014
- Dogwoods of Woodland Article, Woodland Cemetery, and Arboretum, 2014
- At Home-Sophisticated Living in Southwest Ohio, Finding the Perfect Tree, October-November 2012
- At Home-Sophisticated Living in Southwest Ohio, Don't Let Your Tree Become a Thing of the Past, July-August 2012
- At Home-Sophisticated Living in Southwest Ohio, Marvelous Maples, May-June 2012
- Ohio Agricultural Research and Development Center Yearly Report, Value of Ohio Agricultural Research in Fight against Emerald Ash Bore 2012
- Mycorrhizae - Are They Right for Me? Co-Author with Dr. Mike Amaranthas, 2002

Presentations

- Threats to Trees and How to Increase Their Survival-Pest Threats. Half Moon Education Webinar July 2024
- Threats to Trees and How to Increase Their Survival-Soil Problems. Half Moon Education Webinar July 2024
- Threats to Trees and How to Increase Their Survival-Pruning. Half Moon Education Webinar July 2024
- Threats to Trees and How to Increase Their Survival-Plant Selection. Half Moon Education Webinar July 2024
- Threats to Trees and How to Increase Their Survival-Placement/Planting. Half Moon Education Webinar July 2024
- Threats to Trees and How to Increase Their Survival-Who Do I Get Advice From?. Half Moon Education Webinar July 2024
- Masters Series "Plant Appraisal-Data Collection and Forensic Testing and Analysis" Texas Chapter ISA. January/February 2024
- Value of Arborist Certification. American Public Works Association. Ohio Chapter 2023
- Ohio Sample Tree Planting Specifications. American Public Works Association. Ohio Chapter 2023
- What is Tree Risk Assessment? American Public Works Association. Ohio Chapter 2023
- What Tree Defects Should You Be on The Lookout For? American Public Works Association. Ohio Chapter 2023
- Tree Risk. Kettering Ohio Rotary Club. November 2022
- Tree Walk. Liberty Township Parks. Ohio August 2021
- Investigating Agricultural of Over-spray Cases. Agricultural Claims Conference. April.2021
- "Tree roots the real story" Webinar-June 2020
- Winter Tree Identification, Ohio Chapter ISA, Dayton, Ohio, January 2020

- Real Story about Tree Roots, Ohio Chapter ISA, Springfield, Ohio, December 2019
- Tailgating with Trees: Tree Identification, Tree Decay Affecting Trees in the Midwest, Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, June 2019
- Tree Roots - The Real Story, Montgomery County Master Gardener Training & Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, August 2018
- Common Fungi Affecting Midwest Trees and Implications for Tree Risk Assessment, Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, June 2018
- Trees and Construction, Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, May 2018
- Tailgating with Trees #4, "Ostrya, Picea, Platanus, Populus, Prunus, Pseudotsuga, Pyrus, Robina, Sassafras, Taxodium, Taxus, Thuja, Tsuga, Ulmus, Zelkova Identification," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, April 2018
- Tailgating with Trees "Winter Plant Identification #3 (Eucommia, Fagus, Fraxinus, Gledistia, Ginkgo, Gymnocladus, Hammamelis, Juglans, Juniperus, Larix, Liquidambar, Liriodendron, Magnolia, Metasequoia, Nyssa)," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, April 2018
- Tailgating with Trees "Winter Plant Identification #2 (Buxus, Catalpa, Celtis, Carpinus, Carya, Cercis, Chionanthus, Cladrastis, Crataegus)," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, January 2018
- Tailgating with Trees "Winter Plant Identification #1 (Acer, Abies, Aesculus, Amelanchier, Betula)," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, December 2017
- Tailgating with Trees "Tree Hazard Defect Identification," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, November 2017
- Tailgating with Trees "Proper Tree Planting," Ohio Chapter of the International Society of Arboriculture, Dayton, Ohio, October 2017
- Identifying Hazardous Tree Defects, Southwest Ohio Urban Forestry Conference, September 2017
- 2017 Continuing Education Program for Montgomery County Master Gardeners on *Basics of Tree Hazard Identification*. Woodland Cemetery and Arboretum, Dayton, Ohio, August 2017
- Tree Care Basics: "Selection, Planting, Training, Hazard Recognition, and more, Cox Arboretum Five Rivers Metro Parks, March 2017
- The Bark of a Tree "The Great Protector and Resource." Shade Tree Notes, New York State Arborists, Winter 2017. Republished by Citygreen Australia, February 2017. Republished January 2018 at gibneyce.com as a continuing education unit for Certified Arborist
- "Hazard Tree Training for Insurance Professional," Independent Insurance Agents and Adjusters of Dayton, Ohio, November 2016
- Arboricultural Practices of Importance -Planting, Pruning and More, The Ohio State University Green Industry Short Course at the Ohio Turf Grass Foundation Meetings, Columbus, Ohio, December 2016
- Horticulture Basics, Part 1. American Planning Association Ohio Chapter, Dayton Ohio Sinclair Community College, December 2015

- Landscape Design and Care. American Planning Association Ohio Chapter, Dayton Ohio Sinclair Community College, December 2015
- The American Sycamore "The Ghost of the American Forest," Buckeye Arborist, March/April 2015
- "The Future of Trees is in Your Hands – The Best Practices of Tree Planting," Ohio Chapter ISA. Created and developed an 8-hour program for continuing education for the Best Practices of Tree planting for Green's Professionals, October 2014-February 2015
- "The Loss Generation of Trees," Slide show and background of tree planting failures, Cox Arboretum and Gardens, Dayton, Ohio, Ohio Chapter ISA, February 2015
- "Site Selection & Soil Conditions for Tree Planting," Cox Arboretum and Gardens, Dayton, Ohio, Ohio Chapter ISA, February 2015
- "Planting Specifications for Tree Planting, meeting ANSI A300 part 6," Dayton, Ohio, Ohio Chapter ISA, February 2015
- "In class exercise practicum of tree planting failures workshop," Dayton, Ohio, Ohio Chapter ISA, February 2015
- Host of *Garden Talk* on Newstalk Radio WHIO, Dayton, Ohio, Developed website, GardenTalkBlog.com, 1990-present
- "Indicators of Tree Risk," Television Story on WHIO Channel 7, Dayton, Ohio, 2014
- Gardening TV Expert, WDTN Channel 2, 1989-1999
- "Tree Value Determination" presentation at ISA Ohio Chapter, Dayton, Ohio, 2013 Winter Meetings
- Ohio Chapter International Society of Arboriculture, Stem Girdling Roots, 2012
- Dayton Home and Garden Show, Vertical Landscape Solutions, 2012
- Ohio Chapter International Society of Arboriculture, Native Trees, Winter Meeting, 2011
- Dayton Home and Garden Show, Landscape Design with Plant Health in Mind, 2010
- Ohio State University Extension Agents, Air Knife-Stem Girdling Roots, 2009
- Southwest Ohio BYGL, Woodland Cemetery, Air Knife-Stem Girdling Roots, 2008

Other

- Actively growing numerous types of vegetable crops on a year-round basis for the purpose of supplementing the family food needs using organic production methods 2012-present
- Professional life's story was featured in the "Keynote" address at the Ohio Tree conference in Cleveland Ohio titled we are "Rooted Together". February 2022.
- Commencement Speech Ohio State University, ATI Graduation, June 1981
- Academic Scholarship, Ohio State University, maintained 3.0 GPA, 1980-1983
- Berry Scholarship. Berry Foundation, 1979-1983
- Boys State, American Legion, 1978
- Eagle Scout, 1976