
PLANT HEALTH CARE

*ARBORICULTURAL
PRACTICES FOR MORE
VIBRANT AND HEALTHY
LANDSCAPES*

LOU MEYER
ARBORIST

THE DAVEY TREE EXPERT
COMPANY



THE WHAT



Plant Health Care is the soft approach to tree and shrub care. Frequently, clients call on us to prune or remove trees as a reaction to current landscape needs. Taking a proactive approach to caring for these green assets can result in lowered costs and increased benefits for your properties and their shareholders.



DAVEY TREE

FOUNDED IN 1880 BY JOHN DAVEY AS A TREE CARE COMPANY IN NORTHERN OHIO, DAVEY HAS COME A LONG WAY OVER A LONG TIME. WE ARE THE NATION'S 7TH LARGEST EMPLOYEE OWNED COMPANY, OPERATING IN ALL 50 STATES AND CANADA. BEYOND TREE CARE, WE OFFER GROUNDS MAINTENANCE AND ENVIRONMENTAL SERVICES INCLUDING STORMWATER CONTROL, TREE INVENTORY AND TREE PROTECTION PLANNING (VERY IMPORTANT IN DC), ARCHEOLOGY SERVICES, AND ENVIRONMENTAL SURVEYING TO NAME BUT A FEW.

NUTRIENT MANAGEMENT

THE FOREST IN THIS PICTURE
NATURALLY REPLENISHES THE
NEEDED NUTRIENTS

URBAN & SUBURBAN SOILS LACK
NUTRIENT COMPOSITION AND SOIL
STRUCTURE

OUR SOLUTION : TWO-PART PROCESS
INCLUDING LIQUID HUMATES AND
TRADITIONAL FERTILIZER

HUMATES FEED THE SOIL MICROBIOTA

FERTILIZER FEEDS THE TREES AND
SHRUBS



APPLICATION METHOD

Subterranean soil injection

This bypasses the turf to deliver nutrients directly to the roots for efficient uptake

Pressurized delivery helps alleviate soil compaction



SOIL CARE

THE SOIL A TREE GROWS IN IS AKIN TO
THE HOUSE WE LIVE IN OR THE
OFFICE WE WORK WITHIN

A GAS LEAK IN YOUR HOUSE OR MOLD
AT YOUR OFFICE WILL SLOWLY CAUSE
ILL EFFECTS

HISTORICALLY WE HAVE FOCUSED ON
ABOVE GROUND ISSUES

GETTING SOIL WHERE IT NEEDS TO BE
FOR LANDSCAPE HEALTH IS
ESSENTIAL





AN AIRSPADE IS A SUPERSONIC DIGGING TOOL USED TO DISTURB SOIL WITHOUT HARMING ROOTS

VERTICAL MULCHING: 'DRILLING' 2-3" HOLES, 12" UNDERGROUND FOR AERATION

ROOT CROWN EXCAVATION: BLASTING THE SOIL OUT OF THE ROOT CROWN AREA TO REMOVE GIRDLING ROOTS AND REESTABLISH AN APPROPRIATE SOIL DEPTH

RADIAL TRENCHING: TRENCHING OUT A 'SUNBURST' PATTERN FROM THE TREE TRUNK TO OPEN ROOT SYSTEMS TO WATER AND NUTRIENTS

PEST AND DISEASE MANAGEMENT

Trees and shrubs are living beings

Like us or our pets, they 'catch'
ailments

Pre and post product application
can help manage infection and
symptoms

Spotted Lanternfly Life Stages



COMMON AFFLICTIONS IN THE MID ATLANTIC

- Scale
- Aphids
- Borers
- Spotted Lantern Fly
- Beetles (Japanese)
- Hypoxylon Canker
- Beech Leaf Disease
- Generic Leaf Disease
- Anthracnose – Dogwoods and Sycamores
- Bacterial Leaf Scorch

PLANT HEALTH CARE APPROACHES

Targeted

- Addresses specific issue
- Lower direct cost (generally)
- Clearly understood

Inspect and Treat

- Comprehensive approach to property management
- Gets ahead of possible outbreaks
- Lower cost for individual plants
- Removes onus of awareness from the property

THANK YOU

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