

# Davey Arbor Green<sup>®</sup> PRO



## Why Trees?

For more than a century, scientists at The Davey Tree Expert Company have recognized the environmental, communal and economic importance of keeping trees healthy. That's why scientists at The Davey Institute have been developing state-of-the-art technologies, materials and tools to strengthen trees, keeping them healthier while naturally resisting pests and disease.

### Benefits of healthy trees:

- Strategically placing trees around buildings and homes can reduce air conditioning costs by 30 percent and can save 20 percent to 50 percent in energy used for heating, while providing a natural habitat for wildlife.
- Healthy, mature trees add an average of 10 percent to the value of your property.
- Trees naturally absorb carbon dioxide created by our cars and mechanical emissions, while sending us oxygen in return. Cities across the country are investing in preserving and expanding their tree canopies to improve the air quality. Older, larger trees hold the greatest value for a community. A healthy 30-inch DBH (diameter breast height) tree removes 70 times more air pollution per year than a 3-inch tree.

## Why Fertilize?

Forest trees thrive without the addition of fertilizer, which can give the erroneous impression that trees, in general, do not require fertilizer. However, shade and ornamental trees in landscapes are subjected to unfavorable soil and environmental conditions.

Forest soils are rich in humus, which is replenished by the decay of plant and animal residues. Leaves are relatively high in accumulated nutrients and their decomposition is an important source of returning nutrients to the soil. Organic matter increases the retention and availability of most plant nutrients and improves the soil structure by "cementing" or aggregating soil particles.

In contrast, domestic and street lawns are usually very low in humus and fertility. Leaves and other debris are removed, thus interrupting nature's recycling program for nutrients and preventing the accumulation of organic matter. The soil elements, which were absorbed and utilized in the formation of plant tissues are not returned to the soil and should be replaced with supplemental fertilization.

Shade and ornamental trees require supplemental nutrients for optimum growth and development. The addition of a proper fertilizer not only improves the appearance and condition of trees but in some cases, enables trees to better withstand pests.



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# Davey Arbor Green® *PRO*

## Why Arbor Green® *PRO*?

Arbor Green *PRO* is the most significant advancement in tree fertilization since the original Arbor Green was patented in 1978. Composed of the highest-quality nutrients, Arbor Green *PRO* is fortified with essential tree-strengthening polyamino acids in just the right ratio to maximize the nutrient's effect.

The fortified polyamino acids found in Davey Arbor Green *PRO* improve plant performance and their ability to resist and recover from environmental and pest problems. Applied to the soil, amino acids enhance nutrient availability and increase microbial activity, resulting in improved soil structure.



## Benefits of Using Arbor Green *PRO*:

Arbor Green *PRO* is slowly soluble, releasing high-quality nutrients throughout the growing season. A slower, controlled release rate leads to uniform growth, a lower risk of winter leaching and provides you with more value per dollar than any other complete formulation on the market.

Davey Arbor Green *PRO*'s low salt index allows the most sensitive trees, such as those which are drought stressed, or recently transplanted to be fertilized.

Arbor Green *PRO* was created by scientists at The Davey Institute who are committed to innovation and environmental stewardship. Products like Arbor Green *PRO* are examples of the next-generation tools being developed by Davey to serve municipalities, parks, businesses and homeowners in nurturing and protecting their trees and landscape and enhancing the value of their properties and the overall health of their communities.

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