## Nature's Dust Mops

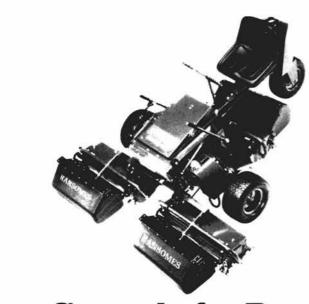
The urban tree has far greater value than its beauty. The shade that is cast on a hot summer day is welcome indeed. How many of us are aware of the cooling effect caused by the transpiration of moisture from the leaves? We have been taught that the average size urban tree transpires about 80 gallons of water on a daily basis. The evaporation of this amount of water equates to over 200,000 kilocalories of energy, or the equivalent cooling effect of 5 average room size air-conditioning units.

Trees help remove gaseous air pollutants. They trap dust particles, an important role in improving the air quality in our cities. In fact, trees have been called the "greatest dust mops" on earth. A few years ago, a Dr. Bernatzky performed some tests in Frankfort, Germany. These tests showed that treeless streets had air concentrations of dust that read 10,000 to 12,000 particles per cubic liter. Streets planted with trees in the same section of town had concentration levels of 1,000 to 3,000 particles per cubic liter.

Trees are the largest and the oldest living organisms on earth. Those of us involved in the care of Mother Nature's wonders feel strongly about maintaining a healthy environment. We know our efforts in causing our urban trees to be healthy and beautiful is important.

> Credit: Tree Topics, Volume XIX Larry Hall





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