



THE POWER of Leaves







A little green goes a long way.

Leaves are tiny powerhouses of nature. They generate the energy necessary to sustain plants by transforming water, sunlight, and carbon dioxide into oxygen. Leaves are what make trees invaluable assets to you and your community.

While one leaf may not seem significant, the collective benefits of many leaves are substantial. For over forty years, Rainbow Treecare has been dedicated to nurturing the Twin Cities' canopy of leaves, protecting these tiny, green powerhouses to deliver maximum value.

A scenic view of a lake. On the left, a wooden dock extends into the water, with a weeping willow tree hanging over it. In the center, a small boat with two people is on the water. The background shows a shoreline with houses and trees under a clear blue sky.

LEAVES KEEP
10,000
LAKES
CLEAN

TAKE
1000
LAKES



Trees and their leaves play a critical role in maintaining Minnesota's water quality. Leaves intercept rain droplets and redirect them into the soil, increasing the amount of rainfall converted to groundwater.

A healthy mature tree can intercept over 2,000 gallons of rainwater annually, helping to reduce the amount of rainwater and pollutants that wash into our lakes and streams.

PHOTO: Gray's Bay, Lake Minnetonka

Made in the Shade

It's no secret that our cities are getting warmer. The leaves of shade trees help to reduce the effects of living on an urban heat-island. A tree's shade reduces the need for air conditioning, which in turn lowers electricity demands.

Trees also capture carbon dioxide from the atmosphere, storing it in their roots, wood, and leaves. Investing in trees locally provides significant global benefits, making them an excellent environmental investment.





LEAVES
COOL
OUR
CITIES

PHOTO: Country Club neighborhood, Edina, MN

An aerial photograph of a city, likely Minneapolis, showing a dense forest of green trees in the foreground. In the middle ground, there are several houses with different roof colors (brown, grey, red). The background features a city skyline with various buildings, including a prominent cathedral with a tall spire on the right. The sky is blue with scattered white clouds.

LEAVES
CLEAN
OUR AIR



Leaves improve the air we breathe. They act as tiny air filters by capturing and holding fine airborne particulates from smoke and car exhaust. The chemical process that converts sunlight into plant energy (known as photosynthesis) also removes carbon dioxide and other harmful gases out of the air and releases the oxygen we breathe.

PHOTO: Lowry Hill neighborhood, Minneapolis, MN



LEAVES CREATE COMMUNITY

A Shared Canopy

Your trees benefit your neighbor, and their trees benefit you. Cleaner water, healthier air, and cooling shade are all ways we are interconnected by the ecosystem around us.

The value of one tree is significant, but the collective benefits of all our trees grows exponentially. When you care for one tree, you care for all.

UNITIES



Your Leaves Need You!

Rainbow is your trusted partner to keep leaves healthy

Watering

Water trees regularly to keep leaves looking great and functioning properly.

Disease Prevention

Preserve your tree's leaves through preventative care to avoid diseases that reduce tree health.

Insect Prevention

Protect trees early to prevent insect attacks that add stress and can cause serious damage or even death.

Mulch

Add mulch to retain soil moisture, regulate soil temperature, and add nutrients as it decomposes.

Tree Nutrition

Provide the nutrients required to photosynthesize and thrive to prevent nutrient deficiencies often visible in discolored leaves.

Pruning

Choose pruning that improves structure, increases safety, and enhances aesthetics without compromising leaf volume.

Root Care

Nurture the roots and soil to create optimal growing conditions, as leaves and roots depend on each other to thrive.

Drought Resiliency

Implement proactive care strategies that combine root and leaf health to prepare leaves for weather extremes. Recommended over multiple years for best results.

Tree Health Assessment

Have your arborist inspect your trees annually to maximize benefits and identify any health concerns.

Next assessment: _____



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