



SHADY LANE

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THE PHOTOSYNTHETIC EVALUATION FACT SHEET

THE NEXT STEP IN PLANT HEALTH CARE.

Chlorophyll fluorescence **is used to measure a plant's photosynthetic efficiency**. Chlorophyll fluorescence can be used as a proxy of plant stress because environmental stresses, such as extremes of temperature, light and water availability, can reduce the ability of a plant to photosynthesize normally.

Shady Lane Expert Tree Care has the ability to do a photosynthetic evaluation that measures the chlorophyll fluorescence of your trees and shrubs. This analysis is done with a handy device called the Pocket PEA. Once the data is analyzed then the Plant Health Care Team can put together a treatment plan to help improve the health of your landscape.

THE SCIENCE BEHIND IT.

Chlorophyll is the green pigment found in plants, and it's vital for photosynthesis. Chlorophyll fluorescence emitted from plant leaves gives an insight into the efficiency of the photosynthetic systems within the leaf. This variable fluorescence can be used as a measure of plant stress. The Pocket PEA in conjunction with the leaf clip, will calculate the photosynthetic efficiency of the tree and when compared to the database, will enable us to see how the tree is doing.

WHY SHOULD YOU CONSIDER THIS FOR YOUR LANDSCAPE?

Have you seen a change in the health of your landscape? Has an Arborist been on your property lately and noticed a change? Has there been a significant impact to your landscape recently? Not sure if the plant health care program you are on, is working?

The Shady Lane Plant Health Care Team is just a phone call away. The Pocket Pea analysis is another tool in our extensive PHC toolbox, to help diagnose the issues on your trees and shrubs. In conjunction with our soil biology analysis, reports can be created using quantified fact-based data not assumptions. Shady Lane can put together a treatment plan that meets with your goals for a healthy landscape.

CALL SHADY LANE EXPERT TREE CARE TO ARRANGE A CONSULTATION