

A Preventative and Curative Approach to Treating Iron Chlorosis for Landscape Trees

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Description of Presentation

Chlorosis is a serious condition where a tree's ability to manufacture chlorophyll has been compromised. This can become a long-term problem for trees and shrubs because chlorophyll is the molecule that a tree utilizes to make energy for itself, trees with chlorosis are making less energy than they normally would. This condition results in a weaker, less durable tree that will rarely make it to maturity.

Chlorotic trees are trapped in a "Catch-22"; A healthy root system requires food made in the leaves to function and grow. Healthy leaves require healthy roots to extract nutrients from the soil. Without one, the other languishes. Without human intervention – the tree will be stuck in a spiral of decline that will eventually lead to its death.

This discussion will cover the following aspects regarding Iron Chlorosis:

- What Chlorosis is and the causes of it. Addressing how the plant responds to the lack of availability of essential nutrients.
- Control is not easy and can be expensive, so prevention is better than treatment.
- Present several methods available for treating iron deficiency to include:
 - o Soil treatments
 - o Foliar Treatments
 - o Trunk Injections
- Describe the advantages and disadvantages of each control method and associated products.
- Outline the importance of important cultural control options for iron chlorosis.
- Disclose the susceptibility of different landscape plants to iron deficiency.

Attendees will leave informed of the key distinctions of treatment options along with valuable knowledge and practical solutions for managing chlorotic plants.

Speaker Bio

Lee Fredericks is the Western Great Lakes Territory Manager for Rainbow Ecoscience where he acts as a trusted industry advisor creating fundamental breakthroughs in the green industry pertaining to Plant Health Care by advancing the research, preservation, and care of landscapes throughout the Midwest. He is passionate about assisting the green industry sharing his business and operational knowledge of plant health care. Lee has a B.S. in Business Management and Urban Forestry from University of Wisconsin. As Certified Arborist and a past Certified Landscape Professional Lee gets the opportunity to work with a broad sector of companies within the industry greening the ecosystem one tree at a time. Other passions include serving on Village Board and

Planning Commission for The Village of Slinger, Board of Directors for the Wisconsin Arborist Association, Chair of the WAA Membership Committee, Member of the WI Urban Forestry Council, Chair of the Urban Forestry Awards Committee and also volunteers for Saluting Branches as Logistic Liaison and a Site Leader in SE Wisconsin for the annual September event.