

The Soil Food Web:

Healthy Soils for Healthy Trees

The soil food web is an important concept for arborists and all who are involved in the health of trees. Quite simply, soil is where the roots grow. Without healthy roots, it is impossible to have a healthy tree.

As Dr. Elaine Ingham states:

"There are many ways that the soil food web is an integral part of landscape processes. Soil organisms decompose organic compounds, including manure, plant residue, and pesticides, preventing them from entering water and becoming pollutants. They sequester nitrogen and other nutrients that might otherwise enter groundwater, and they fix nitrogen from the atmosphere, making it available to plants. Many organisms enhance soil aggregation and porosity, thus increasing infiltration and reducing runoff. Soil organisms prey on crop pests and are food for above-ground animals." *(from the USDA NRCS webpage on soil biology and the soil food web)*

Dr. Ingham is a widely recognized expert on the processes within the soil food web. As a researcher with a doctorate in microbiology and a specialty in soils, she has studied many of these processes herself. She also works very closely with farmers and other growers to show how the the soil food web is important in keeping soils and plants healthy and productive.

This will be a great opportunity to learn more about the soil food web and how it applies to trees.

Announcing a Workshop on: **The Soil Food Web - Healthy Soils for Healthy Trees**



November 6, 2012

8:00 a.m. to 4:00 p.m.

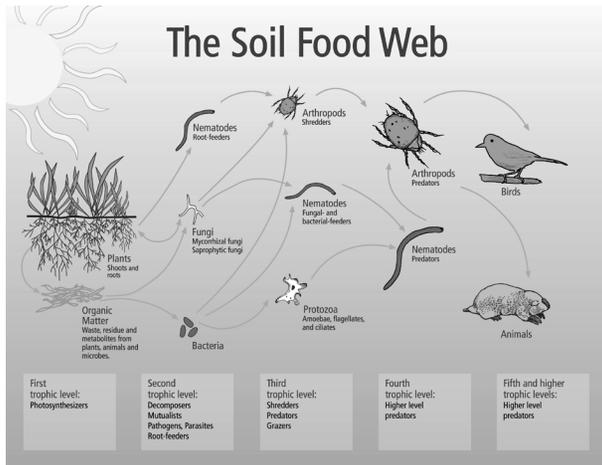
Presented by

**The Connecticut Tree
Protective Association**

with generous financial support from

**Almstead Tree and
Shrub Care**

The Farmington Club
Farmington, CT



The Soil Food Web—Healthy Soils for Healthy Trees

Tuesday, November 6, 2012

The Farmington Club, Farmington, CT

Featuring: Dr. Elaine Ingham, Chief Scientist at the Rodale Institute

The purpose of this workshop is to provide arborists, tree wardens, nursery owners, other landscape professionals, and anyone interested in maintaining healthy trees an opportunity to gain a better understanding of the soil food web. The workshop will discuss how this community of diverse organisms contributes to healthy soils and in turn effectively support tree growth and protect air and water quality. A healthy soil food web assists with disease suppression, nutrient retention, nutrient recycling, decomposition of plant residues and potentially toxic compounds, and creating a well-structured soil—all of which are important for healthy trees.

8:00 – 8:30 a.m.	Registration and Continental Breakfast
8:30 – 8:40 a.m.	Goals and objectives, Education Committee
8:40 – 10:00 a.m.	Introduction to the Soil Foodweb
10:00 – 10:15 a.m.	BREAK
10:15 –12:00 noon	Fundamentals of the Soil Foodweb and Trees—Part 1
12:00 – 1:00 p.m.	LUNCH
1:00 – 2:45 p.m.	Fundamentals of the Soil Foodweb and Trees—Part 2
2:45 – 3:00 p.m.	BREAK
3:00 – 4:00 p.m.	Question and Answer Session
4:00 p.m.	Adjourn (Distribute CEUs and Credits)

(please detach)

Dr. Elaine Ingham, Chief Scientist at the Rodale Institute, is a world-renowned soil biologist who studies the microbial life of the soil and how organic “works.” Dr. Ingham founded Soil Foodweb, Inc. in 1996 helping farmers all over the world to grow more resilient crops by understanding and improving their soil. She is an affiliate professor at Maharishi University of Management in Iowa and has served in academia for two decades.

Dr. Ingham started her academic career at St. Olaf College in Northfield, MN graduating in 1974 with a double major, cum laude, in Biology and Chemistry. She earned her Master of Science in Microbiology in 1977 at Texas A & M University and her doctorate degree, in Microbiology with an emphasis on soil, from Colorado State University in 1981. After a Post-Doctoral Fellowship at the Natural Resource Ecology Lab at Colorado State, she accepted a Research Associate Fellowship at the University of Georgia. In 1986, she moved to Oregon State University, and joined the faculty in both Forest Science and Botany and in Plant Pathology.

Cost - \$90 for pre-registered members. \$115 for all others, including walk-in members. To ensure your reservation, register by October 30th. If you have questions, call Rita Smith at 888-919-2872 or 203-484-2512.

Please mail payment to the CTPA office (PO Box 356, Northford, CT 06472-0356)

CEU's: CT DEEP (Arborist, Private Applicator, 2, 3A) - 6.0. ISA Arborist - 6.0. Tree Wardens credits pending.



This workshop is taking place with the generous financial support of
Almstead Tree and Shrub Care.



In order to enroll in the Soil Food Web workshop, please provide the following information. The fee for enrollment in the workshop is \$90 for pre-registered members; \$115 for all others and walk-in members. Enclose a check for the correct amount made out to "CTPA" along with this form and mail to the CTPA Office. To ensure your reservation, please register by October 30th. Municipalities may submit a Purchase Order at the time of registration. Please feel free to make copies of this form.

REGISTRATION IS LIMITED.

Attendees will be accepted on a first-come, first-served basis, determined by receipt of the registration fee or the PO. If you have any questions, call 888-919-2872 or 203-484-2512.

CTPA
PO Box 356
Northford, CT 06472-0356

Name _____

Firm _____

Address _____

Evening Phone Number _____

Day Phone Number _____