



WEB OF LIFE

REGENERATIVE LANDCARE

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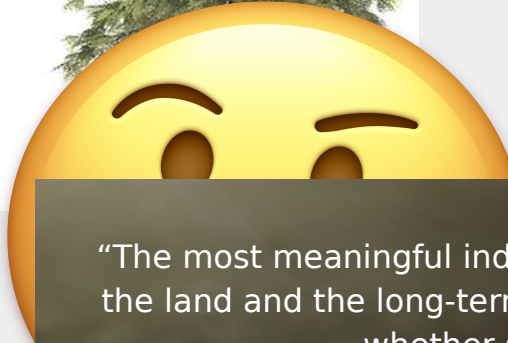
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Resin Volatiles of Eastern Hemlock Induced by its Non-Native Herbivores



Joshua Stone

University of Massachusetts
Amherst



“The most meaningful indicator for the health of
the land and the long-term wealth of a nation is
whether soil is
being formed or lost.”

- Dr. Christine Jones



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OSU's Plant Protection Center
 Corvallis, OR
 23 January 2011

A healthy soil has so many organisms that we don't even know what 10% of the food and fungi species on the plants can make.



Our use of toxic chemicals on food crops has greatly impacted our soil, rivers, lakes, streams and oceans. In many areas of the world, our impact has been measured.

[ELAINE'S NOTE TO FARMERS:
 Making a more vibrant soil food web begins with making good compost. Properly composted organic wastes are worth their weight in platinum.]

THE SOIL FOOD WEB

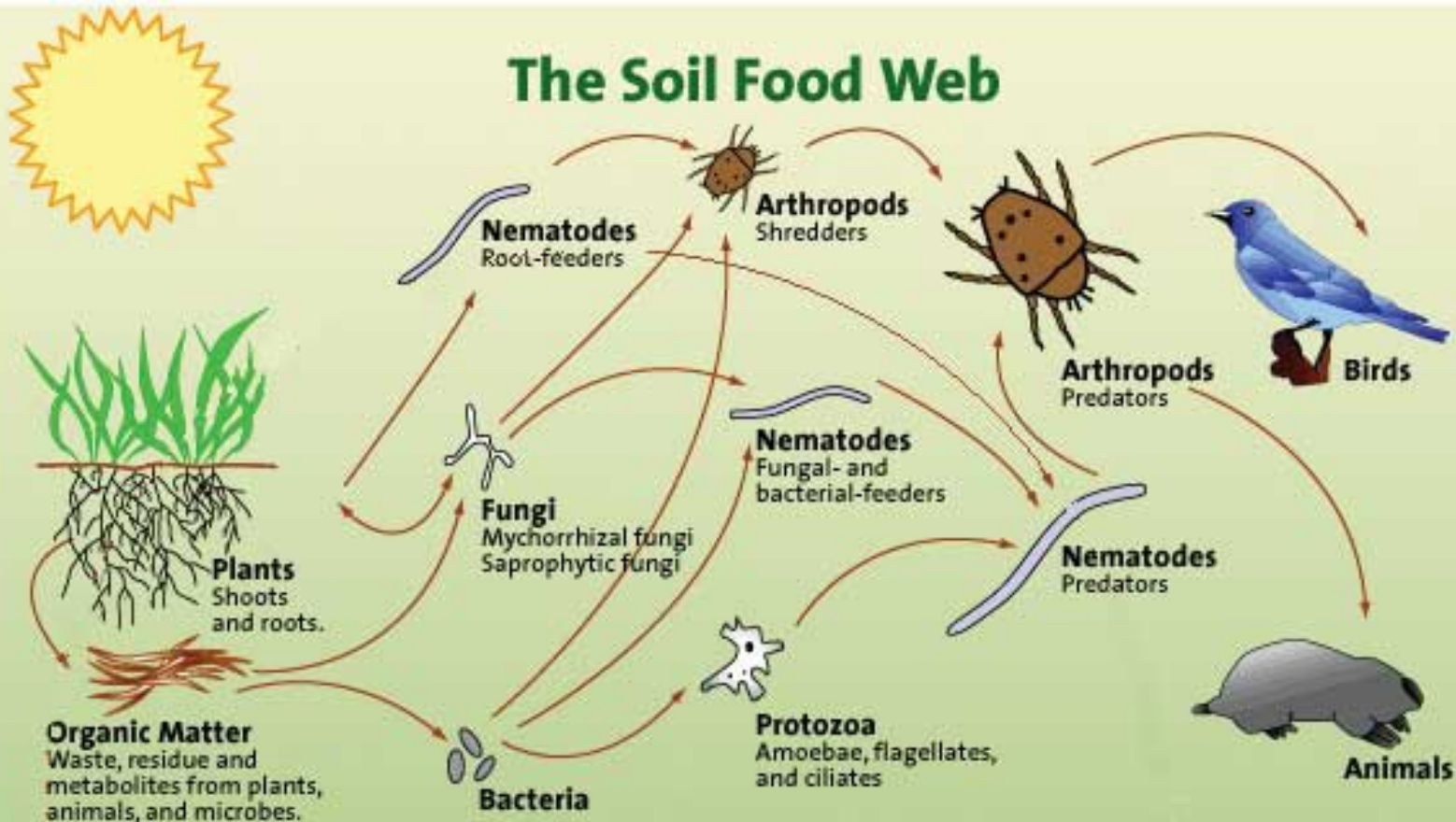
Our soil teems with a multitude of organisms which provide the necessary work for healthy plants to grow free from disease, pests and infertility. These interconnected interactions and feeding relationships (quite literally, "who eats who") help determine the types of nutrients present in soil, its depth and pH, and even the types of plants which can grow.

DR. ELAINE INGHAM BELIEVES GETTING A HEALTHY FOOD WEB BACK INTO OUR DIRT WILL STOP POISONING US AND TURN THIS SICK WORLD AROUND.





The Soil Food Web



First trophic level:

Photosynthesizers

Second trophic level:

Decomposing Mutualists
Pathogens, Parasites
Root-feeders

Third trophic level:

Shredders
Predators
Grazers

Fourth trophic level:

Higher level predators

Fifth & higher trophic level:

Higher level predators







Soil Amendments



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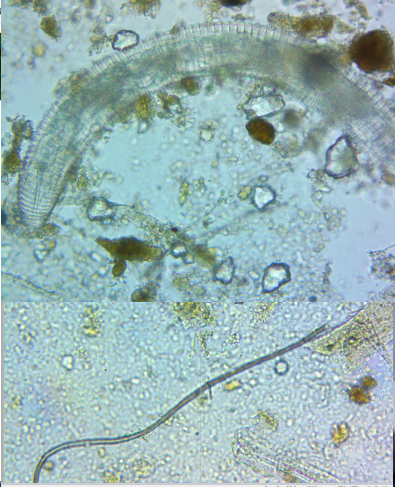
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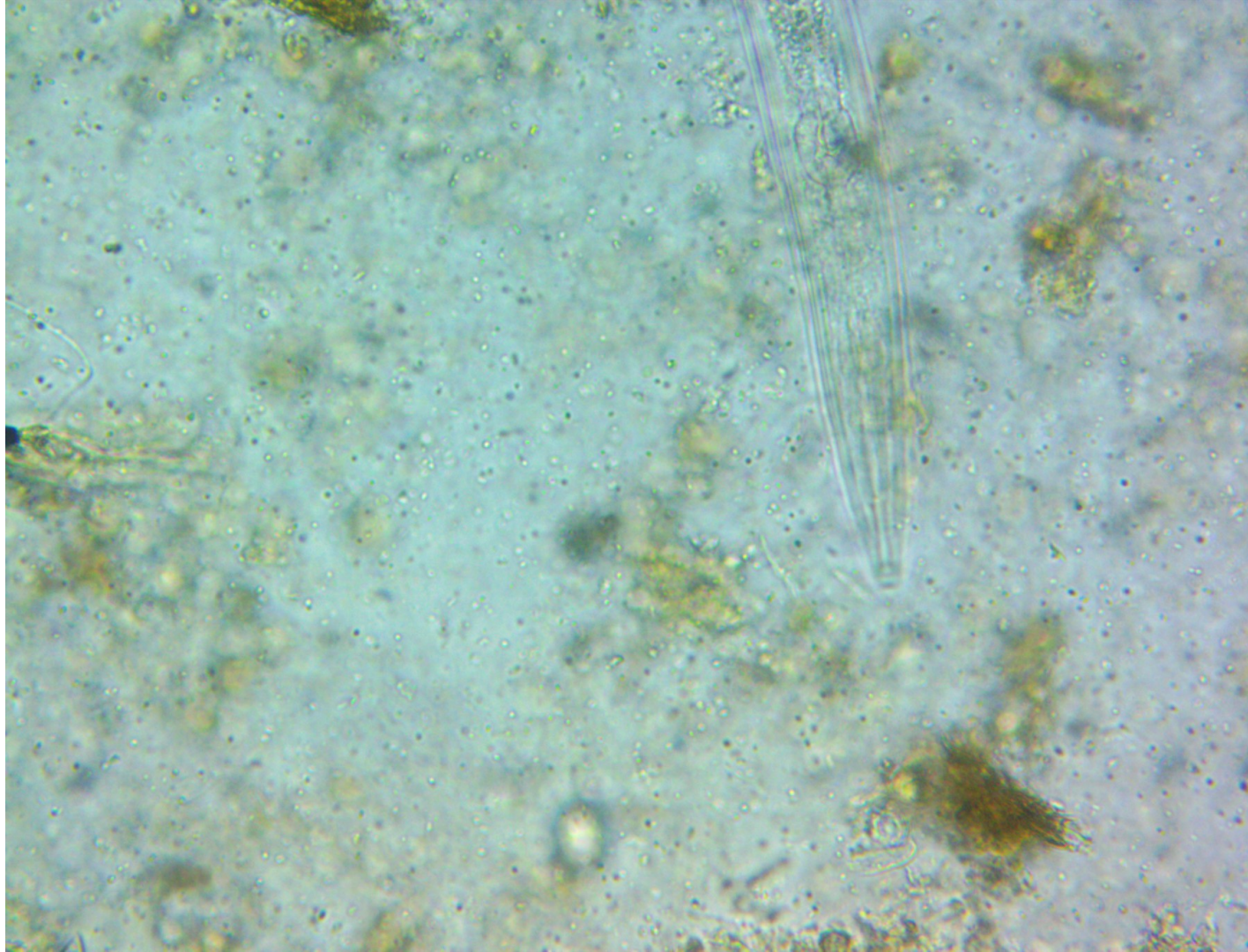
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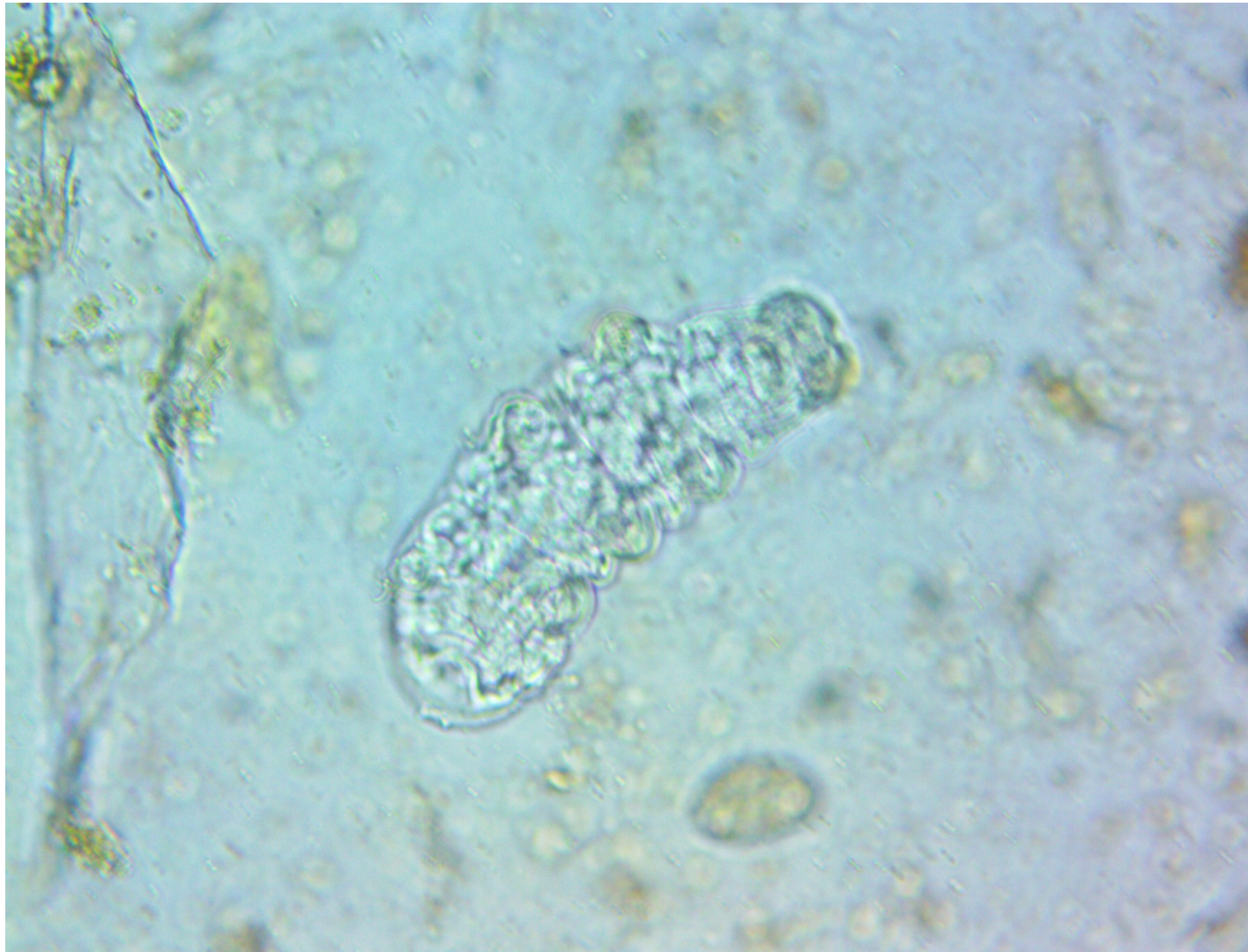
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