



# TREE SOLUTIONS

## Things to do in the Fall:

### On the Central Coast

#### Plant Your

**Bulbs** : Plant now and enjoy glorious blooms in the Spring.



#### Turn Off Your Sprinkler:

Temperature reduction, shorter days, the sun sitting lower in the sky, and fall rains tell us it is time to reduce or eliminate water to your landscape.



#### Check for Weakness in Tree Structure:

Excessive end weight coupled with bark inclusion defects may lead to tree and property damage.



Fall 2009

#### Mulch:

There are numerous benefits to applying mulch including bringing organic matter to the soil and helping to lessen soil erosion.

#### Treat Sudden Oak Death:

Fall treatment applications are effective for many oak species.

#### Maintain Fruit Trees:

Treat peach leaf curl, fertilize, prune apricots, and remove fruit mummies and leftover fruit on ground.



## Sudden Oak Death: A Complex Issue

Sudden Oak Death is a disease complex containing three different organisms that in combination have been attacking, weakening, and killing our Oak Trees on the Central Coast aggressively since the 1990's.

Expert opinions about SOD are always being updated, as new information is presented.

Tree Solutions is committed to staying abreast of the current science and technology.

Tree Solutions position is in alignment with much of the newest information coming from the **Garbelotto Lab of Forest Pathology and Mycology**, UC Berkley and the California Oak Mortality Task Force (COMFT) including the management of California bay laurels.  
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## Soil Restore™

### The Chemical Free Solution

As a culture, we humans have unwittingly altered natures' cycles and introduced into healthy natural systems, toxic chemical additives sold to us as the answers to problems caused by various unwanted organisms. (Continued Page 2)



**TREE SOLUTIONS**  
HEALTH CARE FOR TREES



## Soil Restore:

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The side effects of this chemical dependency has been devastating to humans and our environment contributing to increased cancer rates, birth defects, respiratory issues, pollution, and the overall breakdown of many natural ecosystems.

### SOIL RESTORATION vs. TOXIC SOUP

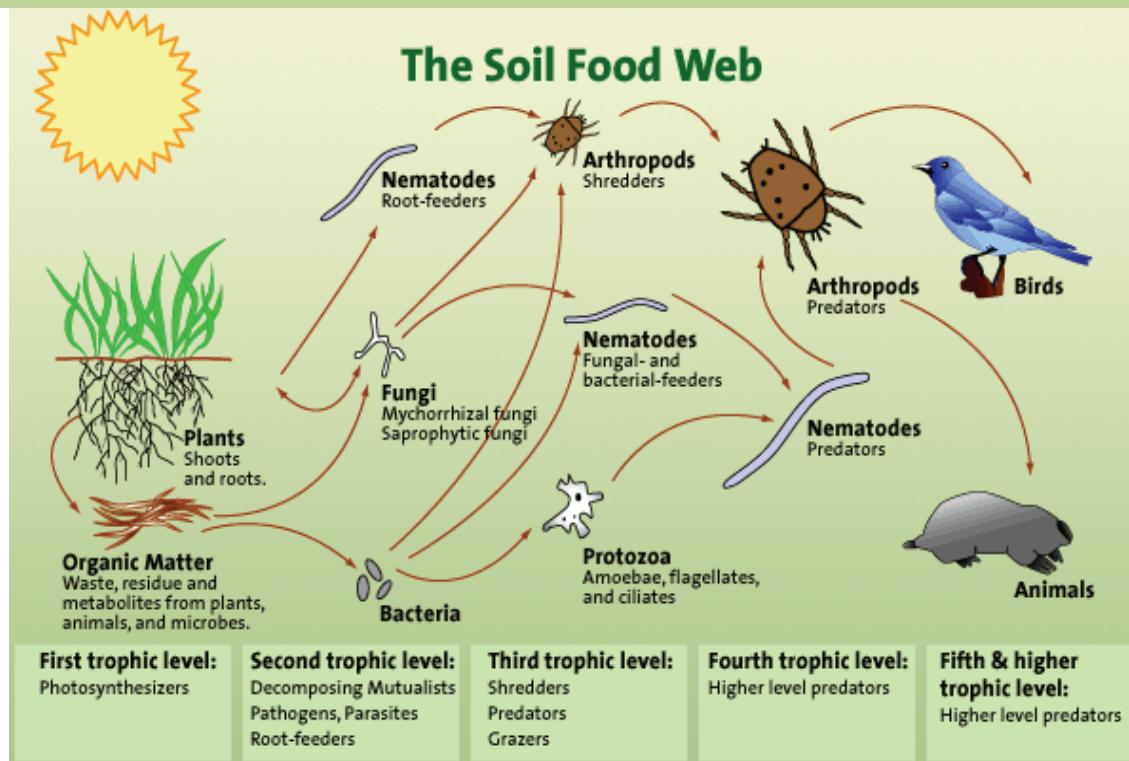
Chemical fertilizers contain salts and acids. These chemicals desiccate below ground biology, creating an unbalanced growing environment. The good news is that there are effective, natural and healthy alternatives to the chemical solutions. The answer is to look at natures' already perfectly designed systems, and to then make a conscience effort to return your backyard back to nature by reincorporating and maintaining the biology killed or limited by chemical additives and other growing environment conditions.

### WHAT IS SOIL RESTORE?

Soil Restore is a live culture of naturally occurring organisms which are often missing from urban soil environments. These organisms unlock nutrients from the soil and make them available to plants. Healthy, nutrient rich soil boasts a "living soil" or "food web" of organisms including protozoa, nematodes, bacteria, and fungus. For more food web info please check USDA Soil Biology Primer: [www.USDA.gov](http://www.USDA.gov)

## Benefits of Soil Restore :

- Reduce or eliminate use of chemical pesticides and fertilizers
- Disease suppressive abilities
- Reduce water use
- Eliminate chemical residues on outdoor surfaces
- Builds soil structure
- Prevents nutrient leaching



### Soil Restore Benefits:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Turf</li> <li>• Trees</li> <li>• Shrubs</li> <li>• Family Vegetable Gardens</li> </ul> | <ul style="list-style-type: none"> <li>• Orchards</li> <li>• Heirloom Plants</li> <li>• Greenhouse Plants</li> <li>• Indoor House Plants</li> </ul> |
|---|---|



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and Agri-Fos applications.

Due to variations in treatment, timing recommendations from the scientific community, and the absence of discussion on black oak Dormancy; Tree Solutions arborists/licensed applicators are recommending 12 month Agri-Fos application intervals. These services should be done as either early fall trunk sprays or spring injection treatments, timed just after leaf break for properties with

black oaks. Black oak treatment windows can be very narrow.

For more in-depth information and the latest from the SOD scientific community see our notes from the 2009 SOD Science Symposium and Don Cox's treatment tips on our website.

[www.TreeSolutions.com](http://www.TreeSolutions.com)

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Soil Restore is a super boost of naturally occurring food web components. From turf to trees, and your family orchards and vegetable gardens , Soil Restore can enhance the vitality of your landscape.

Benefits of treating the soil in this manner are numerous. Soil Restore eliminates the need for chemical fertilizers, helps to reduce pollution in the environment, helps to suppress diseases, reduces the amount of water that is needed to maintain plant vitality, reduces or eliminates the need for chemical pesticides, prevents nutrient leaching, builds natural soil structure, and often outperforms its chemical counterparts.



## Pest Alert:

**Myoporum Thrips-** a new invasive insect species that is causing severe disfiguration of Myoporum trees. The pest species is new to our area and is very aggressive and the leaf distortion damage is extensive.



- First found in southern CA in 2005, Hawaii and the Bay area in 2008
- Native to Australia and New Zealand
- Causes severe galling of leaves
- Effective control strategies have been established
- Important to treat early in life cycle to obtain best results



During this Season as folks gather for Fall Celebrations, we at Tree Solutions would like to thank you for being our client.

Though 2009 has been a difficult year for many, we appreciate your commitment to being stewards of the earth and the trees that surround you.

- The Staff at Tree Solutions

*Jim      Debbie      Shaan      Rob  
Anna      Ryan*

831-247-1696  
650-269-0540  
[TreeSolutions.com](http://TreeSolutions.com)



## Tree Solutions Services Include:

- Plant Health Care (PHC) Programs
- Pruning and Tree Trimming
- Root Zone Treatment Applications
- Natural Fertility and Bio Amendments
- Integrated Pest Management (IPM) Programs
- Diagnosis of Disease and Pest Infestations
- Application of Least Toxic Pesticides
- Tree Structural Stability/Risk Assessment
- Tree Health Assessments
- Arborist Reports
- Tree Preservation Programs
- Soil/Site Analysis
- Tree Inventories/Management Plans
- Construction Impact Assessment and Mitigation
- Tree Appraisals