

USE WITH CONFIDENCE

*Proven by University Research, Field Trials
and Now by Worldwide Customers*

University of Georgia, Dr. Kim Tan H. Tan, author of "Humic Matter in Soil and the Environment" conducted extensive testing with **actosol®** and reported that the organic humic component in **actosol®** is similar to humus-rich Molisols in the U.S. corn belt. **actosol®** applied directly to soil or through a foliar spray increased the yield and growth of corn.

Virginia Tech, Dr. Dick Schmidt, turf expert, showed enhancement of root and healthy turf with **actosol®** application.

University of California, Prof. Anastasios Melis, plant physiologist, showed virtually a two-fold increase of Dunaliella Salina (D. Salina) algal cell when **actosol®** was combined with world-standard rich Hoagland nutrient solution. This explains why use of **actosol®** results in increased root and top biomass and thus increases yields.

Montana state University, Prof. Earl O. Skogley, showed with **actosol®** application a yield increase of 33% for wheat and 40% for alfalfa.

FIELD TRIALS

Paul Bodenstein of Ag Systems conducted field crop tests on barley with **actosol®** and achieved an average yield increase of 5.2 bushels per acre as well as reduced foliage burn due to nitrogen use. On wheat, even with half as much phosphate, the yield increased by 2.5 bushels per acre. **actosol®** application on soybean not only produced 6.8 more bushels but also substantially decreased crop stunting on application of Blazer (acifvorfen) herbicide.

Open Grounds Farm in outer banks of N. Carolina reported 15-44% yield increases in soybean crops. They also reported that after 14 days of treatment with **actosol®** and Blazer soybean crops progressed to eighth trifoliolate whereas soybeans with Blazer alone were in the fourth trifoliolate.

*For further information about
actosol® products, please contact:*

ARCTECH, Inc.

14100 Park Meadow Drive
Chantilly, VA 20151

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www.arctech.com

Green Up your Problem Lawns and Gardens

*Ready-to-use organic miracle
fortified with essential fertilizer
nutrients
(lawns, shrubs, trees, flowers,
vegetables, and fruits)*

**Proven by Pros! Now Available to
Homeowners!**

actosol®



- *Produces superior turf and deep roots*
- *Increases quality and yield of vegetables and fruits*
- *Brightens ornamentals, shrubs and trees*
- *Protects the environment*

An Innovation by:



Preserving Tomorrow's World... Today

Worldwide actosol® Applications

UNITED STATES

- Landscaping
- Erosion Control
- Landfill Closure
- Golf Courses
- Sod Farms
- Nurseries-Tomatoes
- Sand Dunes
- Floriculture
- Agriculture
- Horticulture

GULF COUNTRIES

- Rhodes Grass
- Water Melons
- Cucumbers
- Alfalfa
- Orange Groves
- Grapes
- Onions
- Date Trees

MAURITIUS

- Sugar Cane
- Horticulture

S. KOREA

- Golf Courses
- Greenhouses

actosol® Organic Miracle

Contains organic humic and fulvic ingredients, the most important and active organic matter required to maintain fertile top soil. Today's soils have become depleted in organic matter. Even with high inputs of fertilizer nutrients, plant growth and development is insufficient. What's more, leaching from excessive use of fertilizer nutrients pollutes the environment. **actosol®** products combine nature's most important organic ingredients with essential fertilizer nutrients for sustained and healthy maintenance of lawns and gardens.

The American Society of Agronomy publication "Humic Substances and Crop Sciences" (1990) states that the addition of organic humic and fulvic matter can significantly increase the health and growth of plants.

Agriculture and Landscaping Pros use it and now homeowners can benefit with ready-to-use **actosol® organic miracle:**

- Enhance soil structure and fertility by adding vital organic matter to the soil
- Encourage the efficient transfer of fertilizer nutrients into plants
- Increase soil's moisture-holding capacity
- Increase soil's natural microbial activity
- Enhance plant cell biomass

Lawn Booster **actosol®** 20-5-5 Garden Magic **actosol®** 10-10-10



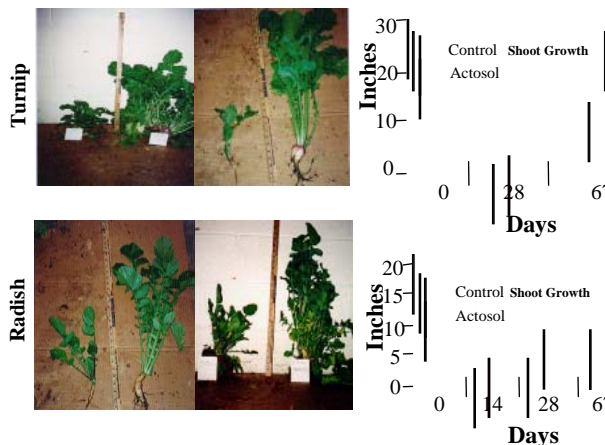
Both lawn and garden **actosol®** products are bottled in 32 oz. containers with a garden hose attachment. **actosol® is ready to use. No mixing is required.** A 32oz. bottle of lawn **actosol®** will cover 5,000 square feet and a 32 oz. bottle of garden **actosol®** will cover 1,000 square feet.



actosol® creates vegetation in sand dunes
Ocean City, MD



actosol® MIRACLE ON VEGETABLES



A - Standard Garden (20-20-20) B - Garden **actosol®** (10-10-10)

Gardening tips to help you produce a healthy green lawn and beautiful garden

Lawns:

1. Use Lawn Booster **actosol®** (32 oz.) every 4-6 weeks during the growing season, 5-6 applications per year for average 5000 square feet lawn.
2. **Mowing.** Be sure your mower blade is sharp. A dull blade will rip and tear the blades of grass and cause a browning effect. You may want to buy a second blade for your mower. This way you will always have a sharpened blade on hand. This is a minimal cost and will add to the beauty of your lawn.
3. **Mowing Heights.** For cool season grass like Fescue and Blue Grass, set mower at 3 to 4 inches high. This will allow thicker tip growth and choke out most weeds. For warm season grasses like Bermuda and Zosia, set mower at 2 ½ to 3 inches. Above all stay on top of your mowing; mow regularly, about once a week during the growing season.
4. **Watering.** During the growing season, water your lawn about once a week to a depth of 4-5 inches. You can do this by watering an area for about 30 minutes and then moving your sprinkler. Water in the morning for best results.

Gardens:

1. Apply Garden Magic **actosol®** (32 oz.) every 4 weeks for best results for 1000 square feet areas.
2. **Prepare soil.** Turn or spade soil to a depth of 8 to 10 inches. Check the pH of soil. You can purchase a pH meter at your local garden center for little cost. Your soil should have a pH of 6-7. If the pH is below 6 you should apply lime. This also holds true for your lawn.
3. Don't plant too closely together. Follow directions on how far apart plants should be.
4. Plant spices and herbs around your garden. Not only do you get the benefit of using these in your kitchen, but they help discourage certain damaging insects.
5. Water once a week with a sprinkler. You can water your garden to a depth of 12 inches in about 1 hour.
6. Try to use organic or biological methods for pest and weed control. Contact your local lawn and garden center for advice on available products.

7. Make gardening fun! Get your family involved.

There are many books on gardening at your local library. Pick one up for your kids. Not only will they learn about growing plants, but the fun will provide beautiful memories for years.