

ESC Treatment™

Commercial Crop Concentrated Root Conditioner



Turf Grass Applications

Large Coverage Areas: Parks, Cemeteries, Golf Courses

As the global demand for water resources has increased, financial and regulatory pressures have put increasing pressure on Golf Course Managers and Superintendents to use every means at their disposal to reduce water consumption while maintaining optimum course quality and operational profitability.

With over 16,000 courses in the United States, when it comes to water, golf courses are thirsty creatures that average 312,000 gallons of use per day. In a place like Palm Springs, where 57 golf courses challenge the desert, each course eats up a million gallons of water a day. To put that in perspective; every day, each course in Palm Springs consumes as much water as an American family of four uses in four years.

Golf Course Superintendents have had to become experts in water management and conservation techniques. What has become common industry practice is to incorporate designs that reduce root competition while collecting runoff and subsurface water in on-site storage lakes, limit course construction in desert areas, reduce or eliminate overseeding, upgrading equipment to increase irrigation efficiencies, raising mowing heights, using treated wastewater, treating less area and finding new strains of grass that require less water.

What is ESC Treatment and why should it be part of your normal course irrigation procedures?

ESC Treatment is a proprietary fast acting, non-toxic, 100% bio-degradable Polyacrylamide/Thiamine (B1) surfactant that will increase root and bio-mass by maintaining moisture and nutrient levels within the turf root zone or rhizosphere.

ESC Treatment optimizes the soil-plant water relations by attaching billions of tiny 'tubular sponges' within the soil that the roots will bond to. Roots will uptake water and food as needed, thereby reducing the shock from low and high water periods. This leads to sustained growth, on a more even curve, as the grass does not dry below critical levels and is able to better utilize available water and nutrients.



ESC is designed to save water, electricity and time by:

- Reduces total water needed to saturate a given area, with increased penetration speeds reducing initial evaporation/runoff loss.
- Will increase lateral spread of water and penetration reducing extremes of high and low water zones which lead to "bogging" and dead zones.
- ESC Treatment is both hygroscopic and hydrophobic in nature. ESC treated turf will reduce course water and nutrient requirements up to 50%. It does this by holding and maintaining water and nutrients in the turf root zone longer. This significantly reduces surface evaporation and leeching.

Inda-Gro

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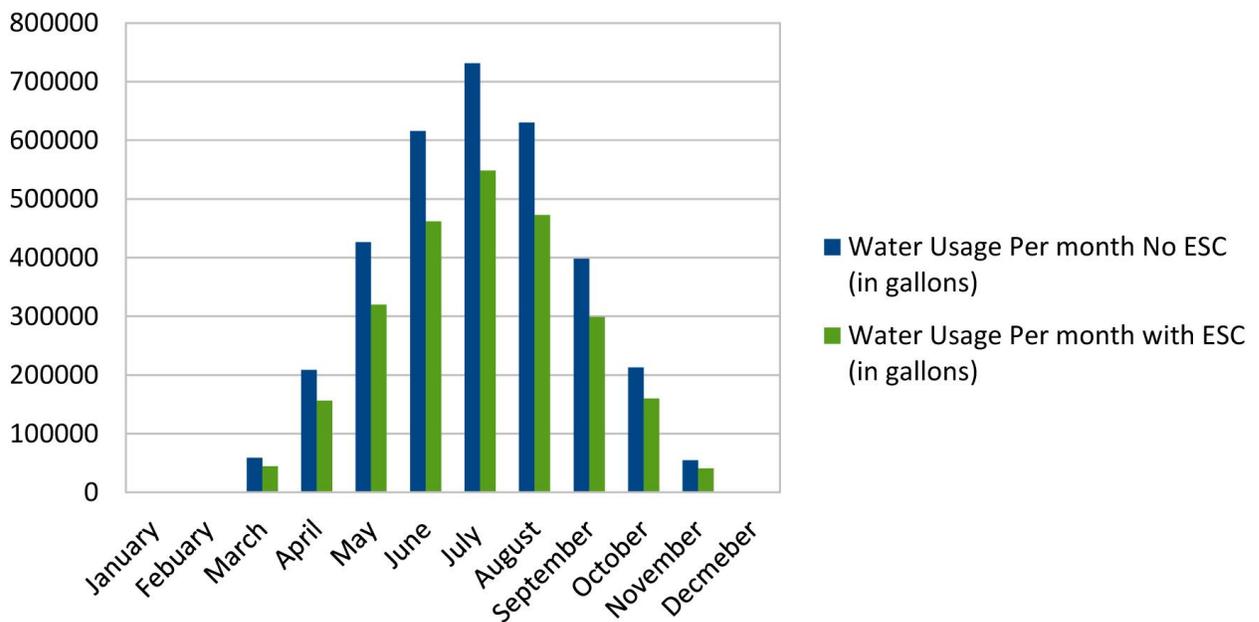
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- Maintains consistently lush, beautiful green grass with a single application once every 90 days.
- Easy to apply no special application methods are needed and will not clog irrigation systems.
- ESC Treatment is added directly to your current irrigation system at a mixture rate ½ gallon per acre.
- Saves pump run times on an average (130 acres) course size of about 608 total hours per year.
- Where offered can qualify for local water conservation program incentives.

The following chart demonstrates current and forecast water usage over a standard 130 acres of turf golf course modeled over a one year period. The annual reduction in water when using ESC Treatment represents a savings of 8,349,300 gallons.



Water is a precious resource and Golf Course Superintendents are working diligently to do their part in conserving water resources. By incorporating ESC Treatment into your normal irrigation practices we help you to economically meet your conservation goals while improving the players experience, your profits and the environment.

MSDS @ <http://www.inda-gro.com/pdf/MSDS-ESCTreatment.pdf>

55 gallon container treats 110 acres

55 gallon MSRP \$12,760 (\$116/acre)

Contact us for quantity discount pricing and availability

Inda-Gro is committed to bringing sustainable, environmentally conscious products that bring real benefits to our gardens and to our customers. Contact your authorized Inda-Gro Dealer for commercial pricing and availability.

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