

ESC Treatment™

Concentrated Plant Root Conditioner



ESC Treatment is a fast acting, non-toxic, food grade, 100% bio-degradable Polyacrylamide/Thiamine (B1) surfactant that will increase root and bio-mass by maintaining moisture and nutrient levels within the root zone. By creating a membrane of sorts, which prevents pass through of water and fertilizers by holding them to be taken in as needed while preventing fertilizer leeching with each subsequent watering.

ESC Treatment penetrates the medium up to 18" deep to add billions of tiny 'tubular sponges' to your medium, which are shaped in such a way as to excite root development. Once the roots grow into the tubes they get water and food as needed, thereby reducing the shock from low and high water periods. This leads to sustained growth as the plants are better able to utilize the available nutrients and water.

ESC Treatment may be used on established plants, however optimum benefits are achieved when applied at initial planting or early cycle stages and will:

- Reduce daily water use by a minimum of 25%
- Reduce fertilization by a minimum of 35%
Enhance germination, growth and yields
- Decrease times to harvest
- Dramatically reduces transplant shock
- Won't absorb salt – Reduces build ups
- Will not leave any residue in soils or mediums
- Silica stays on the root longer and won't breakdown as rapidly and allowing plants to uptake 90-95% of the silica and other nutrients.
- ESC requires only a single application if treating flowering plants that finish in less than 9 weeks.



What makes ESC Treatment different from other products that contain Polyacrylamides?

Polyacrylamides (PAM) products have been in use for soil erosion and water retention applications for many years. These products consist of long chain molecules that, when wet, develop into spheres absorbing many times their weight in water. They are unable to absorb nutrients and due to their mass, actually act to inhibit root development. Additionally, the application methods tend to be cumbersome, suffer from high peak failure rates, and congeal to clog up irrigation systems.

Continues on Reverse

Inda-Gro

6176 Federal Blvd., San Diego, CA 92114-1401
Toll Free: 877.452.2244 Local: 619.266.4004
www.inda-gro.com

ESC Treatment™

Concentrated Plant Root Conditioner



ESC Treatment is a proprietary, highly diluted PAM blend that utilizes short cross chain molecules that are both hygroscopic and hydrophobic in nature. This means that unlike long chain PAM molecules, which inhibit root development, our polymer membrane simultaneously attracts water and nutrients while repelling up to 90% of the salt buildups that occur naturally as mineral based fertilizers break down.

ESC Treatment is completely safe for all mediums and micro ecology such as mycorrhizal fungi as it works with beneficial bacteria to promote a healthy ecology that will benefit all stages of plant growth.

Bigger Roots Mean Bigger Fruits!

Mixing Rates: Do not over mix. This can cause excessive gel to form around the roots. Maintain proper PH levels based on medium: Soil-Less (5.6-5.8) Soil (6.0-6.3). Do not over agitate ESC by mixing with blenders. Gently turning the bottle upside down once or twice will mix the ingredients. Over agitating will cause excess foaming. After initial ESC treatment allow 1 hour before resuming watering or feeding schedules.

Soil Applications: Mix 59 ml (2 oz.) ESC to 1 gallon (treats 16 plants) of pure RO water. Dispense on soil directly above the root mass area and where the root mass will develop. Dispense ESC starting at the stalk working in an outward circular fashion for future root development.

Hydroponic Applications: Mix 59 ml (2 oz.) ESC to 5 gallons of pure RO water. When applying ESC to Hydroponic gardens hand water ESC directly onto medium over roots. Do not add ESC to the reservoir. Allow 1 hour after initial ESC before feeding or watering.

Rooting Plugs/Cubes, Cuttings and Seedlings: Dilute ESC @ 12 ml per gallon pure RO water. Submerge roots in solution or pretreat cubes in diluted ESC for 30 minutes prior to use.

Storage: UV light will cause the product to be broken down. Cover and store excess in a safe dark environment between 40-100° F. Product shelf life is 10 years when properly stored.

Disposal: Dilute and pour any unused portions of ESC around trees or shrubs. Rinse bottle and recycle. For a complete list of materials and safe handling instructions go to: <http://www.indagro.com/msds.html>

	*MSRP
2 oz. (59 ml) 1 Gallon mixed @ \$1.56 per plant will treat 16 plants	\$ 25.00
8 oz. (237 ml – 1 Cup) 4 Gallons mixed @ \$0.94 per plant will treat 64 plants	\$ 60.00
32 oz. (946 ml – 1 Qt) 16 Gallons mixed @ \$ 0.59 per plant will treat 256 plants	\$ 150.00
128 oz. (3.7 liters – 1 Gal) 64 Gallons mixed @ \$ 0.37 per plant will treat 1,024 plants	\$ 375.00
5 Gal (18.5 liters) 320 Gallons mixed @ \$0.29 per plant will treat 5,120 plants	\$ 1,495.00

Inda-Gro is committed to bringing sustainable, environmentally conscious products that bring real benefits to our gardens and to our customers. For further information on this, and all of our energy and water savings products, please visit our website or contact your local gardening center

Inda-Gro

6176 Federal Blvd., San Diego, CA 92114-1401
Toll Free: 877.452.2244 Local: 619.266.4004

www.indagro.com