

# ECOSENTIAL™ *Moisture Manager*

*Manages Soil Moisture to Reduce Watering Requirements*

## Applications

- **Golf Courses**
- **Athletic Fields**
- **Grounds Maintenance**
- **Greenhouses**
- **Landscaped Areas**
- **Nurseries**
- **Tree Care**
- **Shrubs**
- **Sodding**
- **Seeding**
- **Established Turfgrass**

## Description:

*EcoSential Moisture Manager is a unique liquid blend of patented hygroscopic and humectant, combined with an advanced, naturally derived, non-ionic wetting agent for improved penetration and performance.*

- *Drenched into the soil around all types of turf, trees, shrubs and bedding plants, Moisture Manager forms a subsurface film which attracts and stores moisture as microscopic droplets on plant roots and soil particle surfaces. These droplets are drawn into plant roots while the Moisture Manager remains in place extracting additional moisture from humidity within the soil. Moisture Manager converts otherwise unavailable soil moisture, into plant usable water droplets.*
- *Moisture Manager reduces overall watering while eliminating or minimizing plant wilt cycles and drought stress.*

## Reduce Watering • Maximize Production • Minimize Drought Stress

EcoSential Moisture Manager is a proprietary blend of patented soil moisture management technology and an advanced naturally derived soil surfactant. In combination these synergistic technologies provide unequalled water conservation and drought stress reduction through efficient subsurface soil moisture management. In addition to reducing overall water requirements, Moisture Manager works to provide the proper soil moisture needed to maximize the effectiveness of most plant production and maintenance products.

## Benefits

- Reduce Watering up to 50%
- Control or Eliminate Dry Spots
- Minimize Hand Watering
- Maximize Nutrient and Biostimulant Efficiency
- Improve Seed Germination
- Minimize Transplant Loss
- Drought Protection

## Where to Use

### *New Plantings:*

- Transplant establishment of bedding plants, shrubs, trees
- Installation of sod, sprigging, seeding, hydroseeding, overseeding

### *Turf Maintenance:*

- Dry spot control (Especially for dry spots not cured with simple wetting agents)
- Commercial & residential landscapes to reduce water bills
- Golf course greens, tees and fairways to manage watering schedules
- Athletic fields to manage watering schedules

### *Greenhouse:*

- Control dry areas and even up growth across benches
- As a post harvest drench to increase retail shelf life of plants

While Moisture Manager is effective in all types of soil and soilless mixes the most dramatic results are noted on sandy and well drained areas.

Composition: 50% Humectants (sugar alcohols-polysaccharides – neutral salts of alpha-hydroxypropionic acid), 15% non-ionic surfactant.



#084853	#084854	#084855	#084856
1 gal.	4 x 1 gal.	2.5 gal.	2 x 2.5 gal.

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## **Application Information**

Moisture Manager is only beneficial when within the root zone and therefore must be watered in thoroughly after application. Moisture Manager is biodegradable – reapply every 3 months or as needed.

*Dilution:* Moisture Manager is a concentrated formula designed for large scale applications. Dilute with water before applying. Minimum dilution rate 15:1 (water to Moisture Manager). Moisture Manager may be tank mixed or applied through injections and fertigation systems.

*Turf: General Application Rate* – Apply 9 oz. of Moisture Manager per 1,000 sq. ft. (3 gallons per acre) by spray or drench once every 3 months or maintain monthly at 1/3 rate after initial full rate application. For best results apply to moist soil. Water in with at least 1/10 inch of water within the first couple of hours to insure Moisture Manager is washed off foliage and into the soil. Within 24 hours, follow with enough additional water to carry Moisture Manager down to and throughout the root zone. (The amount of additional water required to carry Moisture Manager throughout the root zone is dependant on the depth of the root zone of the treated area.) Additional Moisture Manager may be required to correct difficult and extreme dry spot areas.

## **Overseeding, Sodding, Sprigging**

Apply Moisture Manager at the general application rate of 9 oz. per 1,000 sq. ft. by spray or drench after seeding, sodding or sprigging. Water in with only enough water to rinse Moisture Manager off foliage and into the soil at seed level or the root area of new sod or sprig. An application of Moisture Manager made prior to overseeding and watered into the root zone will manage soil moisture for existing turf during new turf establishment.

## **Trees, Shrubs & Individual Plants**

Dilute Moisture Manager at a rate of 2 oz. per gallon of water and apply by drench thoroughly saturating the root zone. For maximum effectiveness on trees apply 1 to 2 ounces of concentrate for each 1/4 inch of trunk diameter. Dilution rate is variable from 50:1 up to 300:1.

## **Potted or Containerized Plants**

Dilute Moisture Manager at a rate of 2 oz. per gallon of water and apply by drench, thoroughly saturating the planting media. Media should be dry enough to hold as much diluted Moisture Manager as possible. Moisture Manager may be applied through existing injectors at rates between 50:1 and 100:1. Higher dilution rates may be used and will require multiple applications to achieve desired results.

## **Large Planters & Gardens**

Dilute Moisture Manager at a rate of 2 oz. per gallon of water or through injectors at a rate of 50:1 to 100:1 and apply at a rate of 2 ounces of concentrate per 60 sq. ft. of area. One gallon treats approximately 4,000 square feet.

## **For Best Results**

Water thoroughly when re-watering Moisture Manager treated plants. Proper fertilization will enhance Moisture Manager's effectiveness.

Moisture Manager is biodegradable. For maximum effectiveness reapply every three months or when required watering becomes more frequent. Reapply if a reduction in watering is not apparent within the first two weeks.

*Caution: If Moisture Manager is applied to open flower blooms, rinse with plain water to reduce possibility of the Moisture Manager pulling moisture from sensitive flower petals.*

Moisture Manager is manufactured in the United States under one or more U.S. Patents.



1301 E 9th Street • Suite 1300 • Cleveland, Ohio 44114  
1-800-321-5325 • [www.lesco.com](http://www.lesco.com)