



# Manage Rootzone Moisture During Production



## Water Repellency: A Continuing Factor

Soilless growing mixes are prone to water repellency, a problem that interferes with proper water, air, and nutrient management. An initial surfactant treatment in the mix helps it to wet, drain and perform well early in production.

However, this surfactant treatment degrades over time and cannot prevent the development of water repellency in the later stages of production. Consequently, soilless mixes become less uniform and less efficient over time.

This is a challenge. As plants grow, they need adequate amounts of water and nutrients, yet the development of water repellency reduces the soilless mix's ability to meet those needs.

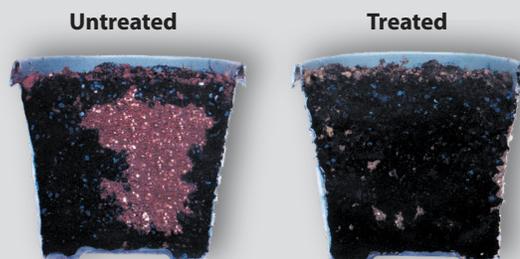
**AquaGro® 2000 L** was developed to overcome water repellency in soilless mixes so they perform at full capacity from the start of production until the plants ship out the door.

### Benefits of AquaGro® 2000 L

- Improve plant vigor
- Save money on water and labor
- Reduce water and fertilizer leaching
- Easy and safe to apply to a wide variety of plants

University research and real-world grower feedback has verified that plants thrive when AquaGro® 2000 L is consistently applied throughout production.

This practice ensures that water repellency is addressed on an ongoing, real-time basis so that the mix continues to wet and drain uniformly and all nutrients and soil directed fungicides are available to feed and protect the plant.



*AquaGro 2000 L prevents ponding and channeling in potted media, ensuring that the entire container wets uniformly.*



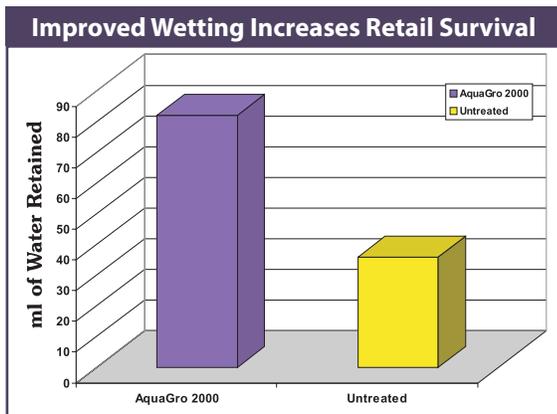
## Maintaining Quality Plants at Retail

Irregular watering and harsh growing conditions in the retail environment often result in too many plants that never make it to the cash register. A key contributor to this problem is the water repellent behavior of soilless mixes.

Once allowed to dry, soilless mixes become very difficult to re-wet, no matter how much water is applied. As a result, plants do not have access to the water and nutrients they need and begin to wilt. These problems can be avoided with a simple drench of AquaGro 2000 L prior to shipping.

Grower experiences and university studies show that plants treated with AquaGro® 2000 L:

- Maintain better quality
- Provide less shrink at retail
- Produce more plants scanned and paid for
- Increase profits for the grower and retailer



**AquaGro® 2000 L** ensures wettability of soilless mixes, even if they have been allowed to dry out in the retail environment.

When water is applied, it will penetrate quickly and uniformly into the mix. This allows the plant to recover from wilt more quickly, and helps it withstand harsh conditions for longer periods of time. This helps maintain plant quality and protects your investment at the retail level.

### Economical and Easy to Use

**AquaGro® 2000 L** is inexpensive insurance to protect your plants and profits from the stresses of the retail environment.

AquaGro® 2000 L is easy, safe to apply to a wide variety of plants, and can be injected into the irrigation system or drenched over the top of bedding plants, vegetable transplants, pot crops, hanging baskets and nursery plants.

<b>AquaGro 2000 L</b>	
Concentration Per 100 L	Average Cost (CAD) of Treating 1000 4" pots
10 ppm / 1 ml (every irrigation)	\$0.02
100 ppm / 10 ml (every week)	\$0.20
600 ppm / 60 ml (every month)	\$1.20

