

Milliken  
**Aquarius™**



Soil Moisture Management Solutions

Aquarius technology platforms leverage intelligent design by utilizing multifaceted molecules with inherent low aspect ratios to bring industry leading performance to meet customer needs.

Even and efficient delivery of water to the roots of plants poses an array of challenges in the Agriculture and Turf & Ornamental (T&O) industries. Water management issues include run-off, moisture uniformity in the soil profile, decreasing water availability, manpower costs, budget demands, environmental concerns and regulatory restrictions. Soil Surfactants are commonly used to help address these challenges in highly managed turf applications where poor moisture uniformity in the soil leads to issues such as localized dry spot (LDS).



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Milliken is a vertically integrated manufacturer of unique and proprietary soil surfactants (wetting agents) designed to effectively manage the water in the soil profile. Our high performance soil surfactant solutions are designed to create a uniform moisture profile in the soil helping to eliminate the impact from localized dry spots and other water management related challenges. Additionally, Milliken's unique IP also provides the opportunity to improve the soil and redistribute hydrophobic deposits leading to the possible reduction of LDS.

Aquarius represents Milliken's development of soil surfactant technology platforms enabling Milliken to provide solutions to support our customer's unique and challenging formulation and private labeling requirements. Aquarius Submerge, Aquarius Trident, and Wetter are value-based tiers giving our customers the tools to determine the right solution for the right application.

### Aquarius™ Submerge

Milliken's premium tier of soil surfactant solutions leverages many design elements including unique, proprietary, and complex molecular design to provide tailored solutions for your challenging applications. These complex solutions can provide many advantages such as prolonged efficacy even with exposure to environmental and microbial attack as well as increased soil surfactant density throughout the profile leading to greater application longevity and use efficiency.

### Aquarius™ Trident

Milliken's proprietary technology platform specially designed to support applications where increased longevity and water use efficiency vs traditional commodity-based soil surfactants. The unique molecular structures provide inherent advantages in high volume and cost sensitive applications where where improved performance over commodity-based solutions is desired.

	MULTIFACETED	TRADITIONAL	HYDROPHOBIC MOBILIZER, ETC	COLOR	HYBRIDS
Premium Performance Products (Aquarius™ Submerge)	●	●	●	●	●
Advanced Performance Products (Aquarius™ Trident)	●	●	●	●	●
Standard Products (Wetter)		●		●	●

### Typical Applications



Golf Greens and Tee boxes



Golf Fairways



Golf Irrigation (Injectable)



Athletic Fields



Professional/Residential



Nursery/Greenhouse



Soil-less Media/Peat Moss

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