

EMOH™ FOR Almonds

Pistachios & Other Stonefruit

WHAT IS EMOH™?

Electron
Magnetic
Oxygen
Hydrogen

EMOH™ is Aequion's proprietary water system. It is comprised of dual treatment chambers (EMOH™ Cores) and a specialized venturi. Each chamber applies a powerful magnetic field that diminishes hydrogen-bonding energy while increasing the rate of ion exchange, allowing the formation of monomeric water molecules with greatly improved mobility. The venturi effectively increases dissolved oxygen levels.

No chemical additives are ever used nor necessary.

UP TO 45% IMPROVED SOIL PENETRATION IN ONE PASS

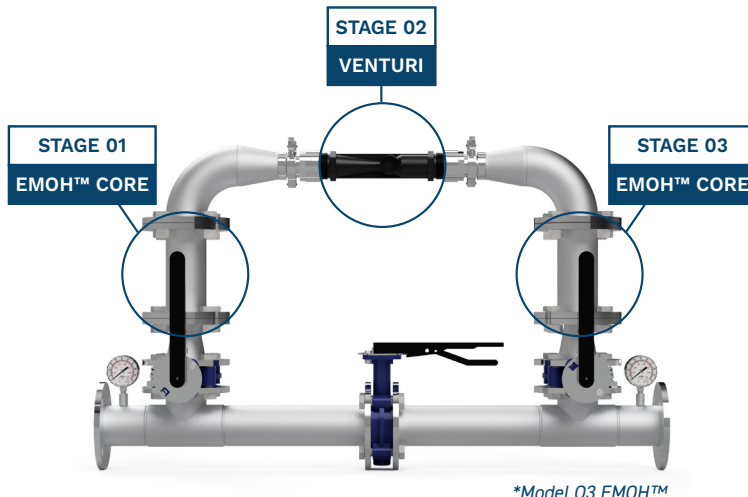
Before Treatment



After Treatment



MAXIMIZE WATER PENETRATION



STAGE 01

Water passes through the first of two EMOH™ Core chambers. It is here that clustered H₂O molecules are broken down, magnetically-charged and reoriented.

STAGE 02

Water continues through a critical-orifice venturi. Under vacuum, ambient air is introduced into the system creating nanobubbles of dissolved oxygen.

STAGE 03

Water reaches the second EMOH™ Core and final stage of the EMOH™ process. Extended core exposure induces an equilibrium between monomer H₂O molecules and oxygen-infused nanobubbles.

THE POWER OF EMOH™ TECHNOLOGY



Improves Water Penetration



Boosts Dry Weight Yields and Nut Quality



Reduces Resource Costs



Minimizes Blue and Grey Water Footprint



Easy to Adopt Tailored System

MAXIMUM WATER PENETRATION

EMOH™ systems maximize water penetration – this applies to all varieties of orchard soils, regardless of crusting, layering and hardpaning from any physical, chemical or biological activity. This subsequently eliminates static water by restoring capillary function, mobility and water distribution uniformity. More the same, EMOH-treated water prevents oversaturation at the surface while increasing deep-soil moisture retention. EMOH™ technology even recovers soil carbon and microbial activity native to the surrounding area. A proprietary method of oxygen injection introduces lasting dissolved oxygen, which lends to several key benefits (e.g. root zone aeration). This trend continues into the trees, attributing to an increase in nutrient solubility and flow. The result is a remediated, thriving soil and tree ecosystem with renewed health, vigor, nut quality and resilience to pests, diseases and contamination. EMOH's impact can then be linked to a considerable boost in photosynthetic activity leading to:

- *Greater Irrigation Consistency and Control*
- *The Prevention of Deficit Irrigation and Hull Rot Fungi*
- *Lesser, If Not Eliminated Need for Pressure Bombing*
- *Reduced Tree Stress*
- *Increased Resilience to Pests, Diseases and Contamination (e.g. Naval Orangeworm and Common Aflatoxins)*
- *Mitigated Impact of Moisture Migration*
- *Higher Percentage of Hull Splits*
- *Improved Kernel Development; Optimal Time and Allocated Carbohydrates/Essential Nutrients*
- *Increased Yield/Dry Weight and Aesthetic Consumer Value*
- *Improved Stability and Longer Shelf Life*

REDUCED WATER FOOTPRINT

Once installed, EMOH™ systems account for a permanent reduction in Almond growers' blue water footprint each year and a smaller grey water footprint over time. This allows growers to have an easier time meeting regulations; it also satisfies the 2025 initiatives reported by the Almond Board of California (ABC).

HIGHER RETURNS

Higher returns are linked to tree health, yield, nut quality and aesthetic benefits from EMOH-water. Also, less money is exhausted on water, electricity, nutrients and man power.

AEQUION SERVICES



Evaluation, Design
And Engineering



Lab Analysis



Maintenance
And Repair



Remote Monitoring

MANUFACTURER'S WARRANTY



Aequion provides customers a two-year manufacturer's warranty on all of its products.

SPEAK TO AN AEQUION TEAM MEMBER TODAY

We are here to help:

Mon-Fri 8-5 PM (PT)

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Aequion's water experts are dedicated to answering questions and providing an overall positive support experience.

