



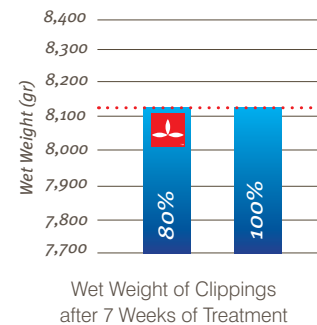
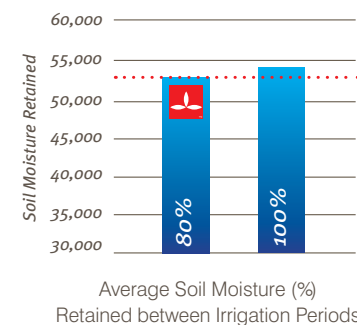
SUSTAINABLE WATER MANAGEMENT

The quality of the water you use is critical to getting the results you want. Productive water has better electrons and polarized salts. Magnation's breakthrough water softening treatment technology replaces outdated methods of using chemicals to solve hard water issues by transforming hard, saline and previously unusable water to high-quality, soft and productive water with physics.

REDUCE IRRIGATION BY 20%

CONDUCTED BY OLDS COLLEGE, TURFGRASS MANAGEMENT, CANADA, 2014

The 80% treated experimental plots showed no difference in wet weight yield or soil moisture retention when compared to the control and 100% treatment plots; despite receiving 20% less irrigation water with the Magnation unit.



Side View of Control vs. 80% Treated with Magnation

USE 20-50% LESS CHEMICALS

Use 50% less herbicides and pesticides. Reduce fungicides, insecticides, fertilizers and wetting agents by 20%. Eliminate acid washes and salts for scale mitigation. Reduce and eliminate chlorines and heavy chemicals for sanitation.

MINERAL SCALE CONTROL > SAVE 20% ENERGY

Magnation prevents and reverses scale on the interior and exterior of all pipes, plumbing, and pump surfaces. Treats rust, iron, iron bacteria, calcium, lime, and hard water issues in pipes, plumbing, nozzles and interior surfaces. 12.5% to 20% pumping energy savings with improved water flow due to reducing viscosity and friction. Save money on labor, chemicals and materials, and less down time.



To Purchase, Call Ag-Optimists
541-610-6858
sales@ag-optimists.com



AG-OPTIMISTS, LLC 2400 EAST 6895 SOUTH COTTONWOOD HEIGHTS, UTAH 84121

Rainlike Water™ for Cannabis



Chemical-free water softening treatment since 2008

MAGNIFY THE POWER OF YOUR WATER

MAXIMUM WATER PRODUCTIVITY WITH RAINLIKE WATER.

Enhance water infiltration and soil moisture retention, promote uniform water distribution, faster nutrient absorption and soil capillary action. Better quality water by Magnation's chemical-free water softening treatment is more productive, using 20% less water to the job. Reduce spider mites, reduce the risk of mold, boost yields, reduce chemicals and eliminate mineral scale buildup to elevate your bottom line and grow efficiently.

BUST SALTS AND BALANCE SOIL CHEMISTRY

LEACH SALTS BY 300-400% AND CORRECT SOIL pH.

Magnation reduces salt buildup in soils, promotes soil penetration, infiltration, and moisture retention. Improve root growth and plant vitality with corrected soil pH, balance calcium to magnesium ratios, and reduce SAR's by up to 50%. Eliminate surface run-off, puddling, evapotranspiration and percolation.

STRONGER PLANT VIGOR > BOOST YIELDS

HEALTHY SOILS AND PLANTS REQUIRE LESS FERTILIZERS AND BIOCIDES.

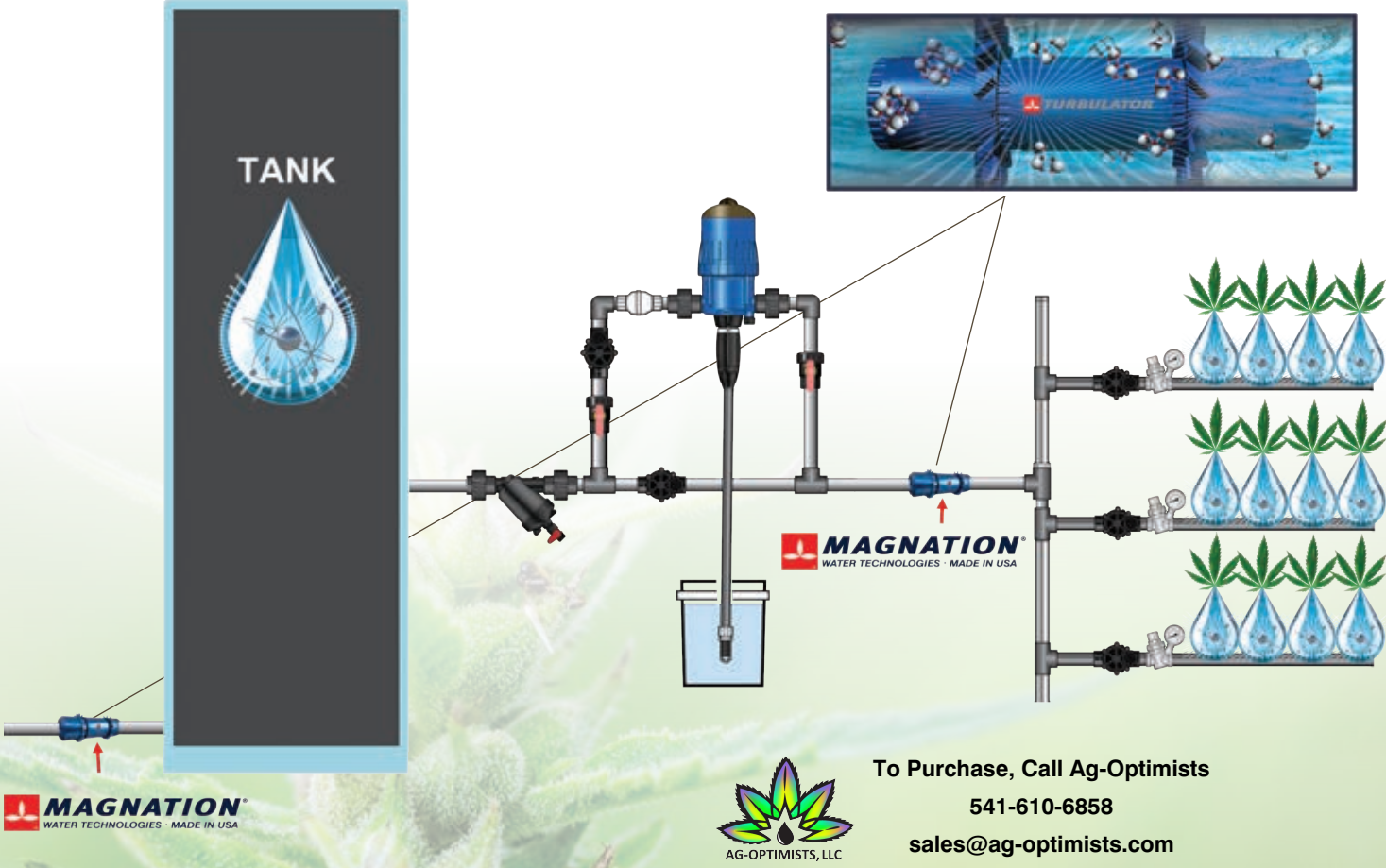


Healthier roots have increased nutrient uptake and stronger plant vitality. In addition to requiring less fertilizers while achieving higher yields, increased disease resistance means less pesticides, insecticides, herbicides, and fungicides—quantifiably impacting your bottom line.





INSTALLATION



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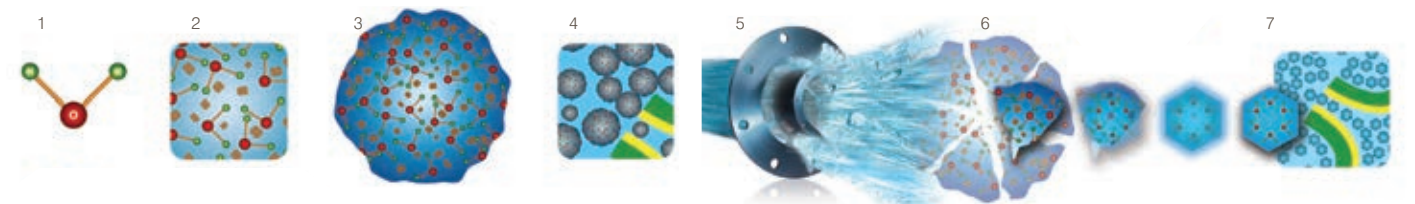
"We've seen better & faster nutrient absorption and soil capillary action, increased plant hydration, reduction in water use. And an overall healthier looking product. Super stoked on removing mineral scale build up, uniform water distribution and higher yields. This product is revolutionary for the canna industry."
~ California Grower

WATER PRODUCTIVITY

RAINKLIKE WATER MAKES EVERY DROP COUNT.

Soils and plants become vibrant and vigorous when it rains. As a rain drop falls, its molecules become smaller and invigorated with energized, life-giving qualities, amplifying nutrient uptake and plant vigor. By emulating the physical forces that create this level of exceptional water quality, Magnation comes as close to natural rain water as possible.

As water passes through engineered magnetic fields created by Magnation's system, the H₂O molecule is liberated from its molecular bonds to minerals. The result are smaller molecule clusters of oxygen, minerals and nutrients available to infiltrate and nourish soils and fine hair root zones supporting more efficient capillary action. Softened, rainlike water more easily penetrates soil, uniformly spreads across a wider area of ground, helps retain soil moisture, stimulates soil nutrients and enhances plant growth, while reducing irrigation requirements by 20% and inputs by up to 50%.



MAGNATION PROCESS EXPLAINED

Water molecules (1), bond together with minerals (2), to form water molecule clusters (3). Many are too large to enter the plant cell (4). The Magnation Process (5), breaks apart clusters (6) into smaller, more bioavailable clusters (7). The previously unusable hard water molecule clusters with previously high surface tension are now fully available to the plant, more oxygen and nutrients are delivered to the cells creating healthier yields and fewer nutrients are left behind to leach into our groundwater. The Magnation process also keeps larger clusters from forming, promoting mellower soils and preventing scale buildup.

Product Specific Benefits for Indoor and Outdoor Growing



Turbolt™

- ✓ Excellent for hand watering & sprinklers
- ✓ Reduced water consumption by 20%
- ✓ Hose threads and NPT threads
- ✓ Eliminate hydrophobic spots
- ✓ Improved soil and turf health
- ✓ Improved nutrient uptake
- ✓ Improved water quality



Aquabolt™

- ✓ Enhanced solubility & nutrient absorption
- ✓ Neutralize soil pH & promote soil health
- ✓ Reduce bicarbonates and sulfates
- ✓ Keeps sprayer parts, pumps and nozzles free of mineral buildup
- ✓ Reduce spider mites and mold
- ✓ Reduce high salts and SAR's



Rainbolt™ & Turbulator™

- ✓ Simple one-time inline installation with zero maintenance
- ✓ Improved water quality for entire facility
- ✓ Use 20% less water, energy & inputs
- ✓ Reverse and eliminate mineral scale
- ✓ Less friction and improved flow
- ✓ Use less chemicals