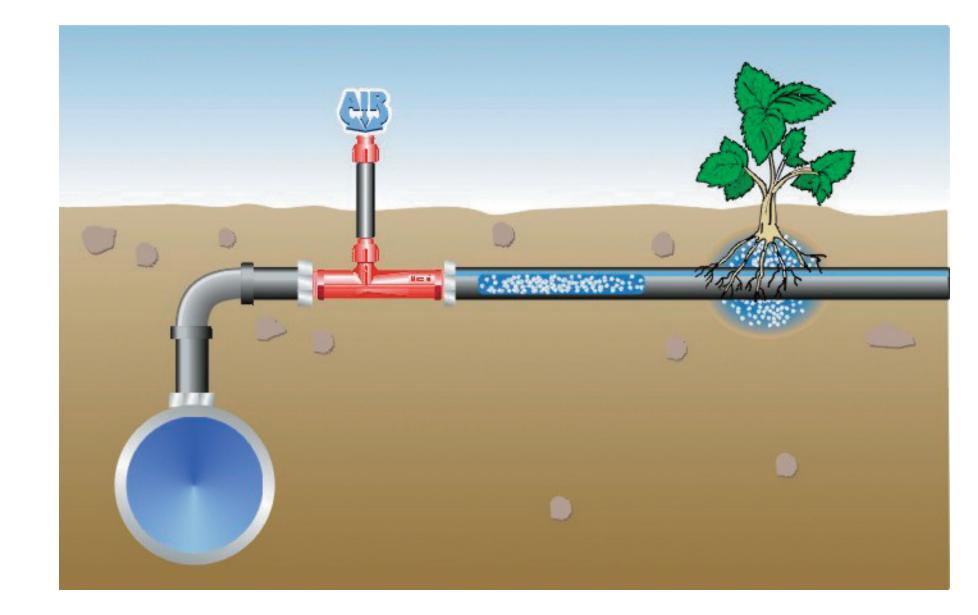
Smart Solutions for Watershed Management

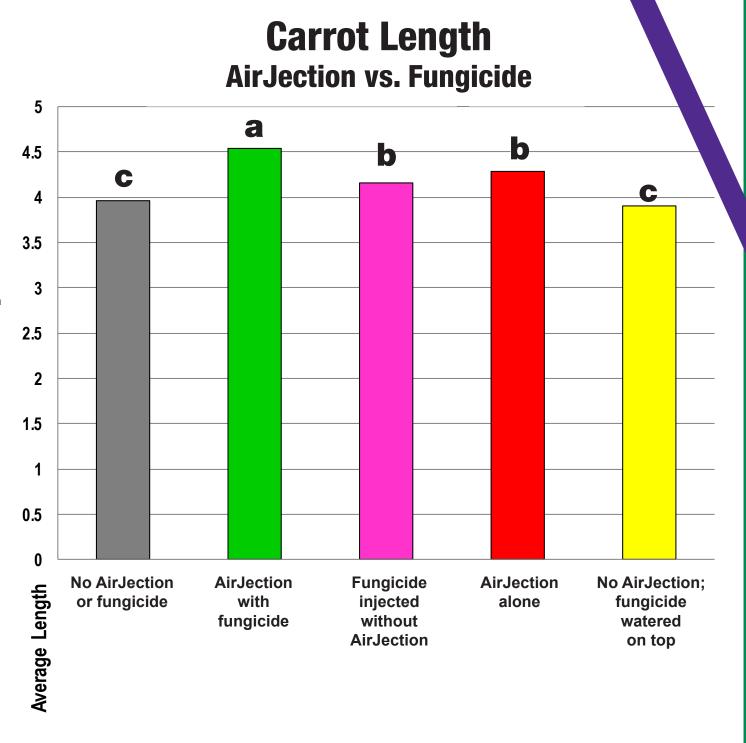


Drip Irrigation Systems... improving conventional systems with the addition of AirJection[®] Irrigation—the injecting of air into water with a Venturi injector and delivering the air/water mixture to the root zone via subsurface drip irrigation.



• Increases water use efficiency (WUE) — the yield per unit of water used.

- Produces same crop size while irrigating less acreage.
- Water use and fertilizer efficiency greatly enhanced.
- Microscopic bubbles of air aerate soil and promote growth of beneficial soil microbes.
- Fewer chemicals needed, so less fertilizer in water supply of future generations.



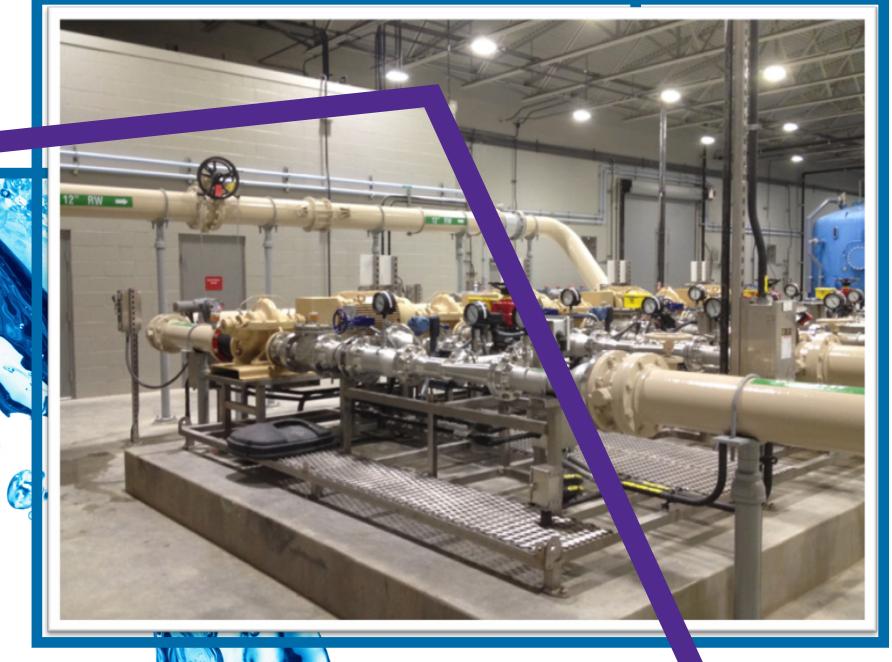
Contacting: efficient and effective.

Wastewater Lagoon
Management... for odor
control, reducing biochemical oxygen demand
(BOD) levels and increasing dissolved oxygen—
AirJection® Aeration. With AirJection Aeration you
get a complete systems approach to design that
results in:

- low maintenance,
- simplicity,
- energy efficiency,
- and complete mixing,

with less

- surface or groundwater contamination,
- noxious odors,
- greenhouse gases,
- mosquitoes,
- and aerosol exposure.



MUNICIPAL

Rural Water Systems... have specific

Small Footprint: space and materials of construction.

methane, etc. *Solution:* GDT[™] Process.

Mixing: intense and forceful.

challenges: contamination from iron, manganese, hydrogen sulfide (H₂S),

Simplicity: easy to use, no chemical mixing, storing or feeding.

Computational Fluid Dynamics (CFD)

Analysis for Mixing

1.00e+00

9.50e-01

9.00e-01

8.50e-01

8.00e-01

7.50e-01

7.00e-01

6.50e-01

6.00e-01

5.50e-01

4.50e-01

4.00e-01

3.50e-01

3.00e-01

2.50e-01

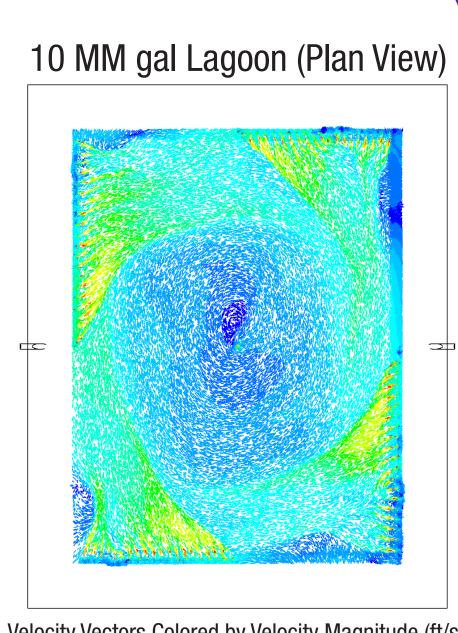
2.00e-01

1.50e-01

1.00e-01

5.00e-02

0.00e+00



Velocity Vectors Colored by Velocity Magnitude (ft/s)

Jim Lauria, VP of Sales & Marketing Mazzei Injector Company, LLC

■ Cantaloupe Farm Average

661.808.1005 jlauria@mazzei.net