



Fortis Solutions LLC.
Service Disabled Veteran Owned Small Business



Climate Friendly Products



Higher Yields with 25% Less Water **Healthy Soils & Crops, Healthy Livestock, Greener Turf, Anti-Scaling**

Ag Irrigation



Sprayers



Livestock



Seed Germination



Greenhouses



Poultry



Golf & Turf



Well Drilling



Home & Garden



Agriculture Benefits



Irrigated Crop Applications

Field studies show:

- 20% to 30% reduction in water
- 20% to 25% energy reduction to pump water
- 20% to 25% reduction in fertilizer, pesticides, herbicides, insecticides
- Increases water bioavailability, nutrients, and oxygen concentration to plants
- Increases seed germination
- Improves crop uniformity
- Increases shelf life of harvested crops
- Eliminates standing water and run-off



Soil Enhancement

- ecoSolv water technology rejuvenates soil
- Dissolves accumulated salts and minerals
- Increases the soil's microbial growth
- Creates healthy living soil supporting plant life

Used With Livestock

- Reduced livestock losses
- Reduces disease in livestock and animal breeding
- Increased milk and egg production per animal
- Elimination of strong ammonia manure odor
- Reduces disease in aquaculture species

Yield Enhancement

- Increase in crop yields from 7% to 20%
- 50% faster seed germination
- 30% faster reaching flower stage

Maintenance Benefits

- Pumps wear less and use less energy
- Reduces irrigation spray nozzle mineral buildup
- Reduces irrigation system maintenance
- Enhances effective water distribution
- Requires no electrical installation
- Uses no chemicals

**Harvest Earlier, Improve Operating Costs, Increase Productivity and Save on ResourcesNo
Chemicals, Maintenance or Electricity Required**

ecoSolv water systems come with a Limited Manufacturer's Warranty for three years.

Field Study

Las Marismas de Lebrija S.C.A.
Lebrija, Sevilla, Spain
Guadalquivir River Region

Tomatoes

Weight Gain	+ 7%
Water Used	- 30%

Field Study

VCG Trade
Malmsbury South Africa

Irrigation System Conditions

58.3%	sprinkler heads severely blocked
25%	blocked, but functionable
16.7%	functionable

ecoSolv 12 inch Water-Device
- installed 20 November 2020

Results – One Week Later

- measured 27 November 2020	
62.5%	sprinkler heads completely clean
12.5%	heads slightly blocked
25%	performing at functionaly high level



University Study

Horticulture Farm,
Sher-e-Bangla Agricultural University
Dhaka, Bangladesh
21 September, 2019 to January 2020.

Tomatoes

SPAD Value	+ 14%
Fruits/Plant	+ 19%
Fruit Weight	+ 7%
Plant Yield	+ 29%

University Study

Prof. Dr. Hamide Gubbuk
Faculty of Agriculture
Department of Horticulture
Akdeniz University
07058 Antalya, TURKEY

Bananas

2020 & 2021 Growing Season Gazipaşa Province,
Turkey Finger Number +11%

Bunch Weight + 11%

Plant Yield + 11%





The Technology of How Benefits are Realized

The ecoSolv water technology addresses water molecule polarity. This polarity causes water molecules to form large 'clumps' of molecules. **The ecoSolv water technology** breaks down these naturally occurring clumps of water molecules into much smaller hexagonal clusters.

These smaller hexagonal water clusters reduce the surface tension of the water allowing the water to flow more readily through irrigation system pipes and nozzles. The hexagonal water structure percolates more rapidly into soil reducing evaporation.

Most importantly, this water structure is more bio-accessible and is readily absorbed by the organic nature of the roots and cellular structure of the plants.



This results in a more 2 copyhydrated plant needing less water. As more water is absorbed by the plant, more oxygen and nutrients are delivered to the plant, while also reducing scaling. The increase in nutrient solubility creates healthier plants and greater yields, requiring less water and fertilizer due to more efficient assimilation

ecoSolv water systems return several times its investment cost with each crop harvest.

A powerful natural boost for more profitable farming.

For more information please contact:

Troy A. Price

President

Fortis Solutions LLC.

(571)356-0534

Tprice@fortissolutionllc.com