



**OMNIENVIRO**

ECONOMIC & ENVIRONMENTAL  
SOLUTIONS

# OMNIENVIRO



## *Guaranteed Benefits of Omni Enviro's Non-Chemical Water Treatment Systems*

- \* Reduce water usage by a minimum of 10% to 30%
- \* Increase crop production by at least 10%
- \* Reduce fertilizer application
- \* Reduce pesticide and herbicide usage
- \* Improve taste of produce
- \* Increase nutrient content in produce
- \* Increase shelf life of produce
- \* Reduce electrical bills
- \* Prevent and remove scaling from irrigation pipes
- \* Reduce total dissolved solids (TDS)
- \* Increase water flow
- \* Reduce heat stress
- \* Increase fine root growth
- \* Increase seed germination
- \* Desalinization within the first year
- \* Improve soil pH and consistently dissolve impurities from soils
- \* Increase productivity and reduce disease in livestock & general animal breeding
- \* Increase weight of product and reduce disease in aquaculture industry

## *Welcome*

Omni Enviro's non-chemical water technology **improves water quality and productivity, reduces total dissolved solids**, and is quantifiably **cost effective**. In the agricultural sector, our vision is to help farmers implement our environmentally sound product into irrigation systems, reduce water usage up to 30% annually, and increase yields. Our technology benefits municipalities in large-scale applications, and home environments on a grassroots/individual scale. The effectiveness of our personal hand funnels have a significant benefit to individual health as well. These topics and supporting research can be found on our website: [www.omnienviro.com](http://www.omnienviro.com)

## *Our Mission*

Omni Enviro's mission is to deliver technologies which are environmentally sustainable, socially responsible and ethically sound for the benefit of the community and the environment.

## *Research*

It is a scientific fact **use of our non-chemical water devices to treat irrigation water will increase water productivity and will reduce expenditures**. Omni's powerful water treatment is the result of forty years of research and development. The system also helps reduce soil salinity and subsequently creates a healthier environment. The implementation of magnetic water treatment technology by the irrigation sector will be a significant benefit to the global environment as well as a **direct significant benefit to the individual farmer**.

Australian Research was carried out to investigate under a controlled environment, the beneficial effects of magnetic water treatment systems provided by Omni Enviro on irrigation water using recycled water, saline water of 3000 ppm, 1500 ppm, 1000 ppm, 500 ppm, and potable water. Detailed results can be found at [omnienviro.com](http://omnienviro.com). This study has been accepted to the prominent **International Peer Review**, in 2009: "*Magnetic Treatment of Irrigation Water: Evaluation of its Effects on Vegetable Crop Yield and Water Productivity*".

**Most importantly, the study shows** magnetic treatment of lower quality water, i.e.; recycled and saline waters, improves crop yield and productivity.

In summary, the results of the glasshouse experiments showed a significant increase in yields, significant water productivity and water savings both with magnetically treated potable and lower quality waters. **This has far reaching benefits for urban areas where recycled water is becoming important and for areas where the only available irrigation is of higher salt content.**

## Opportunities for Water Savings

**Saving water** makes economic and environmental sense. The majority of water loss occurs because of **surface run-off** and **evapotranspiration**. We reduce this issue.

**There are two ways we can reduce water for irrigation:**

1. Reduce water application loss due to surface run-off and deep percolation beneath the root zone.
2. Reduce loss due to evaporation and transpiration during the growing period.

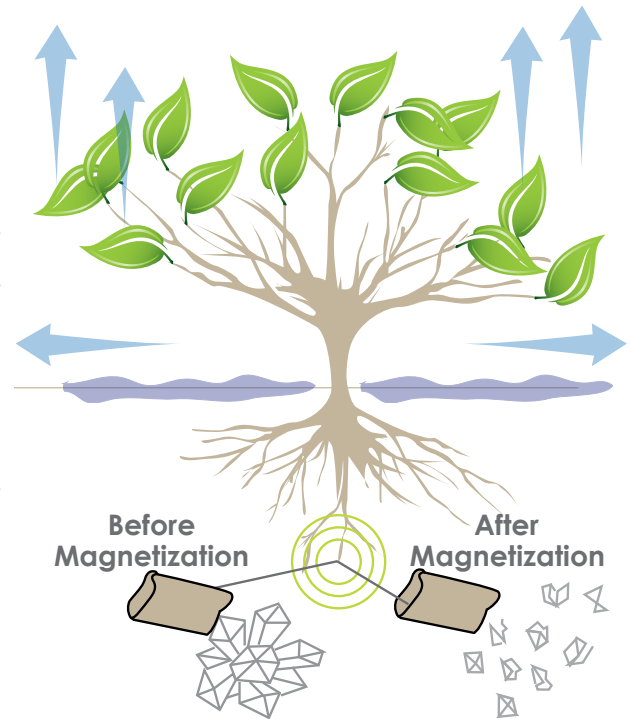
### Surface Run-off

If the amount of water falling on the ground is greater than the infiltration rate of the surface, runoff—or overland flow—will occur.

### Evapotranspiration

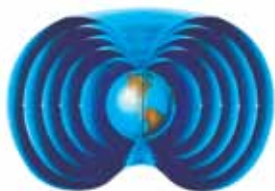
Evapotranspiration is the evaporation of water from plants and occurs chiefly at the leaves while their stomata are open for the passage of  $\text{CO}_2$  and  $\text{O}_2$  during photosynthesis. It also occurs at stems flowers and roots.

Omni Enviro's non-chemical technologies minimize these sources of water loss.



## Geomagnetism & Water

Since the beginning of time, water has been critical in sustaining all life. The electromagnetic field surrounding the earth's atmosphere influences how all life forms function and maintain balance. Geomagnetism influences how water functions. The water's stability is regulated by its own steady magnetic waveform, and this waveform is affected by stress and chemical imbalance heightened by our current practices, which lowers water's productivity.

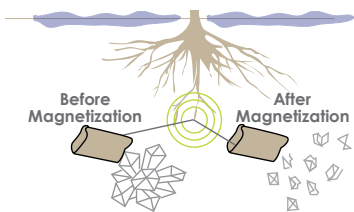
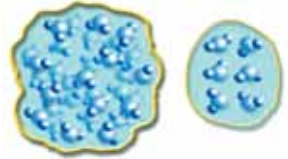


Omni Enviro's systems provide multi-polar magnetic technologies that **alter the structure of water molecules** to promote optimal utilization.

*Geomagnetism & Water* Continued

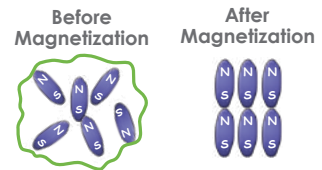
**Usual Quality Water vs. Good Quality Water**

Water molecules cluster. Toxins & waste products build up causing the water molecule clusters to expand, increasing surface tension, increasing viscosity and limiting dissolvability and permeability. The result is poor water productivity as only a small percentage of water and nutrients applied are dissolved and made available for plants to uptake in fine root zones.



Magnetic treatment breaks up the water molecule structure into smaller groups and enables them to pass through plant capillaries more readily.

After magnetization, the molecules also line up in sequence “+-+” hence it makes nutrients more readily available to our body, plants and soils. Water is then said to be biologically “alive”.



Crop **Without** Magnetic Water Treatment | Crop **With** Magnetic Water Treatment

*Solutions for Dry and Wet Salinity*

Soil salinity is one of the most serious agricultural problems farmers face. The accumulation of salts in soil capillaries leads to a sharp decrease in plant fertility. With our induced multi-polar magnetization, a change of physiochemical characteristics of natural water leading to improvement of its filtration and dissolving capacity occurs. **Our treated water washes away 3-4 times more salts out of the soil than non-treated water, and at the same time oxygen concentration in such water increases by 10%.** After magnetic washing of the soil, the content of nourishing elements measurably increases.

With the help of magnetic systems developed by Omni, it is possible to irrigate using water that would previously have contained up to 410 l/g of salt.

*US Farmers Testimonials*



"800 pounds per acre increase of baby spinach, reduction in mildew, and longer shelf life over the course of two 30-day trials"  
-Tanimura & Antle, {Soledad, CA}



"Works as effective as gypsum in leeching fields"  
-Grimmway Farms, {Imperial Valley, CA}



"Noticable permeability, water savings, & no puddling"  
-Cafe Gratitude, {Vacaville, CA}



"Increased new growth and yield with one irrigation"  
-LoBue, {Los Baños, CA}



"Reduction in electrostatic and separation of seeds for easier planting"  
-Bolthouse Farms, {Lancaster, CA}

Results pending at these US locations:



*Navel Oranges at Toveill Pty Ltd, AU*

Inspection by QLD Government Agency: Growcom, AU

Using saline water with 4680 ppm TDS. This was unusable prior to installation of Omni's magnetic water treatment system.

At Toveill Pty Limited, we have only used Omni's water technology for two months and the independent lab results confirm much less acid in the navel oranges where magnetic water was used. We are using the water treatment device on a 200 acre plot of our farm where the soils and the water are salty and we have been getting a better reading on the quality of our oranges.



*Flowers & Algae*

Using Omni's magnetic water treatment systems increased my production while also improving the quality of my capsicums, resulting in excellent water and fertilizer savings.

In addition I decided to use the magnetic ion generators recommended by Omni to clean my dam from algae. Four months later there is no trace of it.



My contact details are available through Omni for confirmation.

Cut flowers last five days longer in magnetic water without the use of water softening tablets. This treatment provides excellent uniform growth, increased production and minimum of 10% water savings.





### *3800 acres of Vines*

My name is Frank and with my experience on using Omni's magnetic water treatment technology I **recommend to all farmers who take their business seriously to use Omni's water treatment system and receive the benefits.**

I own and work 1800 acres of vine grape and have partnerships in another 2000 acres with my brothers. When working big farms and having water issues one can not afford not to look for new ideas that might save water.

In October 2006 I purchased only one of Omni's magnetic water treatment systems to try it on a section of the farm. Several days after the first watering with Omni's water treatment system I compared the section using treated water against the other and noticed the moisture was retained in the soils for days longer in the section that Omni's magnetic device was used. Realizing that we could save a lot of water we ordered another four magnetic systems and treated the water for the entire farm.

This was a great investment I made for the farm because it paid for itself in the first season by saving 20% to 25% water, increased my production and produced a much better quality crop.



### *Australian Strawberry Distributors*

Australian Strawberry Distributors are one of the biggest growers and distributors of strawberries supplying such chain stores as Woolworths, Coles Myer and alike.

Our clients at ASD demand the best quality strawberries that Australia can produce and we pride ourselves as being one of the best. Having the need to keep an edge on technology for strawberry farming we decided to try one of Omni's magnetic water treatment systems on one section of the farm where we always had some problem with salty water and poor quality soils.



**Within the first weeks of installing Omni's magnetic water system it was visible that the treated water had made a great change to the quality and uniformity in size of strawberries in that section. The color was superior, the taste was really sweet and better than the strawberries we were growing on our best part of the land and the yields were much higher.**

Based on the evidence we saw on the worse section of our farm we decided to purchase the systems and put them on every water pump station. Our results have been excellent, our production has increased, the quality has improved beyond our imagination and we are saving at least 20% water if not more.

Hence, we decided to call a meeting of all our growers in QLD and ask Omni to come to share the good news about Omni's water solution for water saving water and improving the entire farming process. Today all our growers are happy to be using magnetic water treatment systems manufactured by Omni. We recommend Omni Environmental Group as an ethical company to deal with and strongly suggest to all irrigators to implement their water technology.





600 acres of Citrus & Vines

Farm 1986, Lake Wyangan, NSW 2680  
Ph. 02 69634822 Fax 02 6963 4829 / violi-estates@bigpond.com

July 15, 2007

To OMNI ENVIRONMENTAL GROUP P/L,

We run a mixed 600 acre farming operation of citrus and vines just North of Griffith NSW. Our agricultural venture has endured three generations of rewarding and successful farming. However in recent times we endured the tests of nature, with extreme temperatures & evapotranspiration rates, well below average rainfalls and reduced water allocations.

In light of all this and with our aim to increase our cropping and profitability we knew we needed to find a more economical and sustainable edge for our farming business.

It was when we were introduced to Jim Oshana from the Omni Environmental Group earlier this year; we knew that his company had the irrigation technology that would benefit us immensely. **His magnetic irrigation solutions were supported by more than thirty years of research and development with studies and accreditations that were recognized worldwide. Not only was this technology backed up by science but also by a 12 month money back guarantee and a 10 year manufactures warranty, so it soon became evident that we had nothing to lose and should give the technology a try.**

In writing this letter with the utmost honesty, I must admit that at first we were skeptical about magnetizing our irrigation water but within the first few days of installation to our drip irrigation system **we made some overwhelming discoveries and couldn't seem to wipe the smiles of satisfaction off our faces** as we watched the following events unfold before us.

What events or discoveries you may ask! Or what is all the hype behind Omni Technology. Let me start by saying that with our drip irrigation Motorola Irrinet Software and our Cimrex Pump Station Control Module we were fortunate enough to be able to monitor pressures, water volumes and Power consumption through tabulated and recorded data since our inception of drip irrigation.

The following table is the results prior and after Magnetized Infusion was introduced:

	UNMAGNETIZED	MAGNETIZED
VINEYARD MAIN LINE RUNNING PRESSURES(KPA)	420 Kpa	480 Kpa
VINEYARD MAINLINE VOLUMES (m3/Hr)	520 m3/hr	570m3/hr
DRAW OF CURRENT ON 2 X 100HP PUMPS (Hz)	50 Hz	45Hz

As can be clearly seen here, we could never open all our grape valves/ blocks all at once and when we tried the system was underpressured (running at 420 Kpa & only 520 m3/hr) and none of the valves/blocks could run at designated pressures thus the occurrence of some CNL drip emitters remaining closed in certain run lengths in certain blocks.

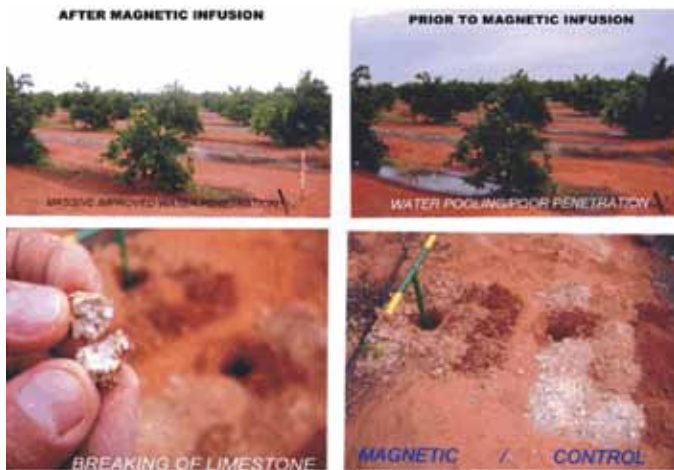




After installing the magnetized system and running the irrigation for the first time we immediately seen a 10% improvement in main line pressures and volumes. We were overwhelmed with the results and went one step further and asked ourselves 'If this is a measurement of how magnetized water travels lighter, freely and with less viscosity all because of the way Omni technology has altered the molecules in the water- what can we expect with power savings now that the pumps are running easier!'

So we measured the draw of current in (Hz) on a moderate to high-powered shift irrigating citrus and the results were blatantly obvious with this shift notoriously running at 50Hz and now after magnetic infusion running at 45Hz! We could not be more pleased with the efficiency and power savings \$\$\$\$ , this technology is a big plus for us!

In summary what Jim was claiming was **proven beyond doubt** and we are now assessing water penetration, sodium dissolving capacity in saline soils, the unlocking of nutrients within the soil profile and the breaking down of sub-soil limestone.



The results on penetration and limestone breakdown are encouraging and although it is only in its early stages **we remain with the firm belief that investment in this technology is the best money spent for anyone committed to a sustainable farming future!**

We will continue to keep Omni updated with further research as the next growing season unfolds and **strongly recommend Omni to any company or individual** and thanks again Jim and Tony for giving us the edge for our farming business!

Yours sincerely,  
John Violi Anthony Violi

## Asparagus & Grass: Report Sharjah Municipality (UAE)

### Sharjah Municipality, United Arab Emirates

To: Magnetic Technologies Company

26 June, 1995

Re: GERMINATION BY MAGNETRONIC WATER SYSTEM

Dear Sirs,

With reference to the above subject during the month of May, an experiment in the said germination was carried out by Prof. Youri Tkatchenko, from Magnetic Technologies Company and the results were as follows:

Evergreen plant namely Asparagus Sprengeri and Asparagus Plumosus were used as samples.

Prior to the installation of the MAGNETRONIC system in the waterline the germination period was 15 days. After the installation of the MAGNETRONIC germination period was a maximum 7 days.

Furthermore prior to the MAGNETRONIC installation the germination percentage for Asparagus plumosus was 60% and Asparagus Sprengeri 80%. Upon the installation of the MAGNETRONIC system germination percentage was Asparagus Plumosus 80% and Asparagus Sprengeri 100%.

With regard to the grass seeds (Bermuda Type) the normal germination period is 96 hours but with the magnetic treated water the germination period was 48 hours a 50% reduction.

Moreover, the seeds were spread by soaking prior to planting in the magnetic treated water and finely sprayed over the area, the result of this method was no loss of any seeds and an even distribution.

In conclusion I would state that the **installation of the magnetic system has been a great success** and has achieved an excellent germination rate in both plant and grass.

Thanking you,  
Y.M. HAGER,  
Head of Agriculture Department



## Crop Results > International Research

Description	Growth per Day		With Magnet compared with & without magnet	% Increase	% Increase per Plant
	with magnet	without magnet			
<b>Corn Plant</b>					
Plant Height	4.32	2.46	1.76 times	76%	42.5%
Total Leaves (sheet)	.42	.38	1.11 times	17%	
Length of Leaves	3.00	2.07	1.45 times	45%	
Diameter of Stalk (mm)	.17	.08	1.38 times	38%	
<b>Onion Plant</b>					
Plant Height	.58	.46	1.25 times	25%	77%
Total Leaves (sheet)	.75	.33	2.27 times	127%	
Length of Leaves	.53	.3	1.76 times	76%	
Diameter of Stalk (mm)	.09	.05	1.8 times	80%	
<b>Rice Plant</b>					
Plant Height	.34	.23	1.48 times	48%	63%
Total Leaves (sheet)	2.75	1.71	1.61 times	61%	
Length of Leaves	.23	.09	2.55 times	155%	
Diameter of Stalk (mm)	.3	.34	.88 times	-12%	
<b>Pumpkin Plant</b>					
Plant Height	1.78	.37	3.8 times	45%	89%
Total Leaves (sheet)	1	.5	2.00 times	100%	
Length of Leaves	.29	.18	1.61 times	61%	
Diameter of Stalk (mm)	.05	.02	2.50 times	150%	
<b>Cucumber Plant</b>					
Plant Height	.49	.42	1.17 times	17%	3.5%
Total Leaves (sheet)	.25	.21	1.20 times	20%	
Length of Leaves	.14	.16	.85 times	-15%	
Diameter of Stalk (mm)	.05	.05	.92 times	-8%	
<b>Broccoli</b>					
Plant Height	.63	.26	2.42 times	142%	86%
Total Leaves (sheet)	.33	.25	1.32 times	32%	
Length of Leaves	.44	.26	1.69 times	69%	
Diameter of Stalk (mm)	.04	.02	2.00 times	100%	
<b>Tomato Plant</b>					
Plant Height	1.68	1.53	1.10 times	10%	9%
Total Leaves (sheet)	4	3.92	1.02 times	2%	
Length of Leaves	.07	.12	.58 times	-42%	
Diameter of Stalk (mm)	.05	.03	1.67 times	67%	

Average Increase  
**53%**

Agriculture

Residential

Environmental

Municipalities

Industrial

Health & Beauty

Water treatment  
and purification

[omnienviro.com](http://omnienviro.com)



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