





Most of us know deep down inside that clean, natural water is better for us, and that spring and rainwater are the best waters of all. In fact, every farmer knows that rainwater is better for his crops and livestock than irrigation water. The reason is simple. Rainwater falling from the sky is refreshed, energized and transformed by the rays of the sun, the swirling motion of the wind, the electrical charge of lightning, and by the natural design of the atmosphere itself.

All of these factors work together in perfect harmony to realign the molecular configuration of water, making it more efficient and productive for plants, animals and people. Our Crystal Blue Water Structuring devices enhance water in much the same way.

### What is 'Crystal Blue'?

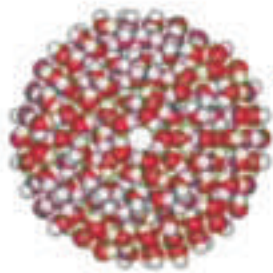


The Crystal Blue Water Structuring Unit's unique design accomplishes one of nature's greatest miracles of regeneration and renewal by mimicking the natural spiraling motions and hydrologic cycles of water, creating a measurable increase in water's ability to hydrate and nourish plant and animal tissues, penetrate soils and conserve water. This causes people, plants and animals to grow better and healthier. Users also report that their water feels naturally "soft", especially in their showers, baths, hot tubs and pools, all without the need for harsh chemicals or salts.

These devices create soft water without taking the life-enhancing minerals like calcium and magnesium out of the water. Crystal Blue uses rare earth minerals and quartz compression to produce radiant energy frequencies that effectively reduce the surface tension and cluster size of water. This accelerates water's ability to hydrate plant and animal tissues, penetrate soils and conserve water.

Vijay Precision Dies Pvt. Ltd. collaborates with Crystal Blue Enterprises, Idaho, USA to bring Crystal Blue water structuring device to India

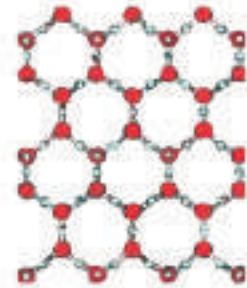
# Structured Water



Water Molecules  
from bore-well



Water passes through 'Crystal Blue'  
water structuring unit



Structured  
Water

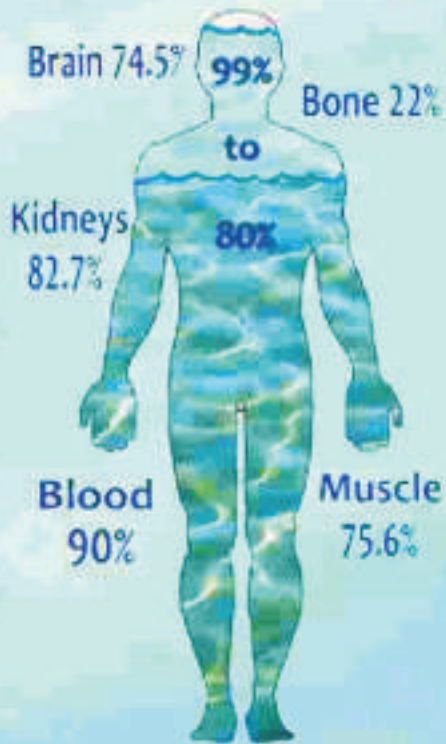
**Crystal Blue  
Water  
Structuring  
Units  
will :**



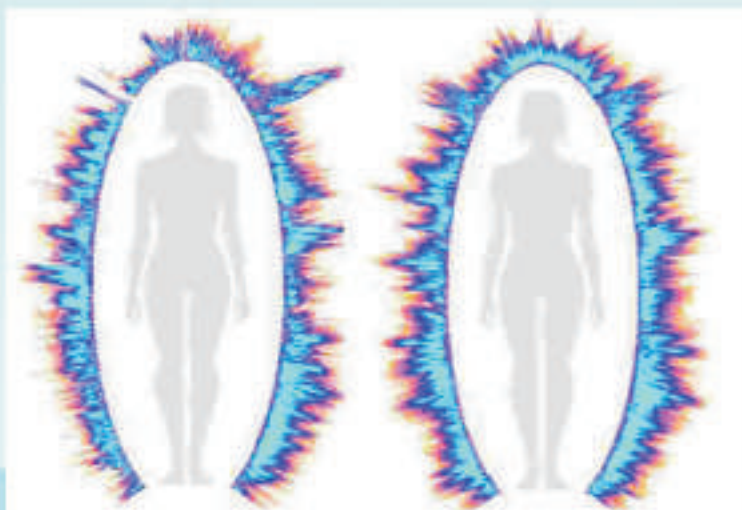
- \* **Dramatically reduce your water consumption**
- \* **Reduce the need for fertilizers and pesticides**
- \* **Increases crop yield**
- \* **Enhances the quality crop and increases nutrient density**

# FOR PEOPLE

70 to 99% OF THE HUMAN BODY IS MADE OF WATER



- \* Maximises Hydration
- \* Boosts Immune System
- \* Softens hair & skin
- \* Perfect for Travelling
- \* Gives you silky water as from a stream
- \* Cleans off chemicals in veggies & fruit & raises nutrient levels
- \* Aids digestive system
- \* Pets love it - shiny coats & strong immune systems



Human Energy Field before and after drinking structured water

GDV PHOTOS

Low Energy Water Drop

High Energy Water Drop

Everything is ENERGY

STRUCTURED WATER FUELS ALL LIVING CELLS

Well water before and after running it through our Water Structuring Unit

Detailed description: A grid of GDV (Ground Penetrating) photos. Top row: 'Low Energy Water Drop' (faint, irregular shape), 'High Energy Water Drop' (bright, starburst shape), and 'Everything is ENERGY' (a colorful, multi-lobed energy field). Bottom row: 'Well water before and after running it through our Water Structuring Unit' (two starburst shapes, one smaller than the other), and 'STRUCTURED WATER FUELS ALL LIVING CELLS' (a colorful energy field). The background is dark blue.



## **Keeps Your Plumbing & Machinery Like New !**

- \* Minimal maintenance required
- \* No moving parts
- \* No filters or parts to replace
- \* Reduces or eliminates hard-water deposits
- \* Appliances & plumbing parts last longer
- \* Dissolves calcium & iron deposits in plumbing lines

- 
- \* **Increased immunity to disease**
  - \* **Increased size/strength**
  - \* **Increased hydration**
  - \* **Faster growth rates**
  - \* **Increased milk production**
  - \* **Less birthing complications**
  - \* **Health Maintenance cost reduced by 30% or more**
  - \* **More eggs/bigger eggs & chickens**
  - \* **Reduced mortality rates**
  - \* **Anaerobic bacteria (& smell) eradicated**

**HUGE INCREASE IN PROFITS !**

# Structured Water – Comparative analysis of agricultural produce Study with GDV Bio-Electrography

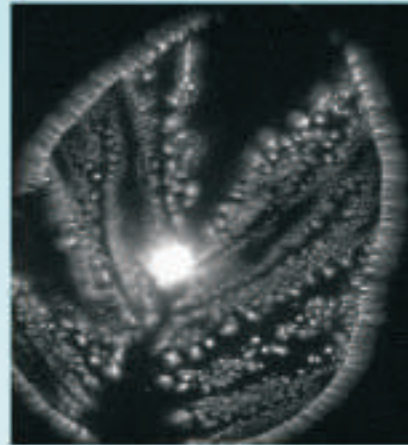
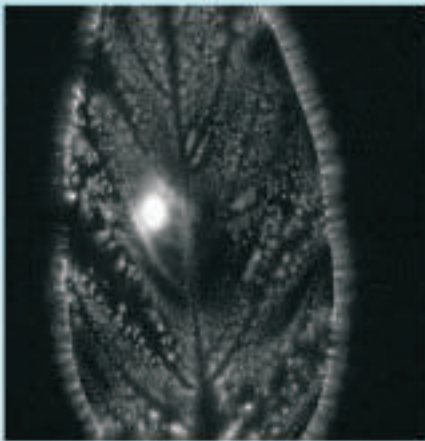
## STUDY 1: AMARANTH (DHANTU SOPPU)



1

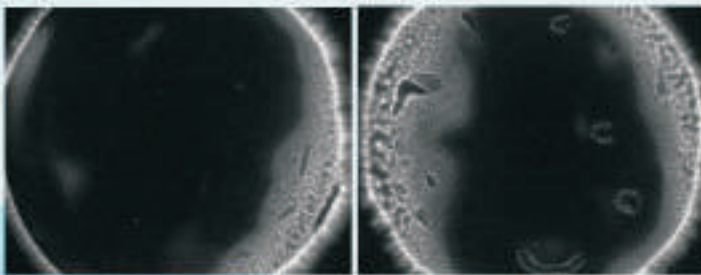


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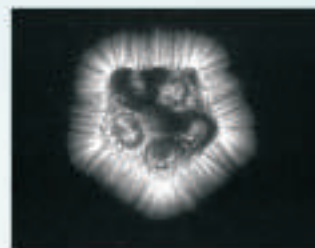
## STUDY 2: Tomato

## Study 3: Lady's finger – Bhendi–Ocra



1

2



1

2

1. Control; 2. SW

**See The Difference**



**Fed With Bore-well Water**

**Fed With Structured Water**

# See The Difference



Zucchini



Tsunami (Boodugumbala)



Green Grass



Aroma Leaves (Dantina Soppu)



Yield Of Paddy Grown in same sized Plots



## Customers and Installations



Tamil Nadu Agricultural University (TNAU),  
Dharmapuri, Tamil Nadu



General Farm of  
Bharti Associates, Sira



Tamil Nadu Agricultural University (TNAU),  
Tindivanam, Tamil Nadu



Shanthi Feeds Private Ltd.,  
Coimbatore, Tamil Nadu



Nosaria, Churu District, Rajasthan



Raisar, Bikaner District, Rajasthan



Wenkateshwara Hatcheries,  
Hoskote

## Customers and Installations



Vijay Foundation Farm, Mysore



Napasar, Bikaner District,  
Rajasthan



Banuli Organic Farm, Gaddige Road, Mysore



Green Earth Farm, Coimbatore



Suguna Poultry Farm, Hoskote



Tamil Nadu Agricultural University (TNAU),  
Coimbatore, Tamil Nadu

## TESTIMONIALS



**Organic fertilizers used only once during planting and no manure has been used**

**Previous yield with Borewell water = 26 tonnes  
Yield with Structured water = 30 tonnes!**

**Smt. Lakshmi Devamma,  
National Award Winner, K R Pet, Mandya Dist**



**Crystal Blue increased Chicken weight to a great extent**

**Bangalore Poultry Farms,  
Bengaluru**



**Rainmaker reduces clogging in drip lines.  
This is "vivasayigalukku varaprasadam"**

**Mr. Jagadeesan,  
Kambai Nallur, Dharmapuri**



**The Growth & Health of the plant is considerably very good after using Crystal Blue. The leaf width, Colour & Appearance has improved compared to Normal Water.**

**Mr. K.Venkatesh,  
Progressive Organic Farmer, B.G.Sargur,  
Bogadhi-Gaddige Road,  
Mysore Dist., Karnataka**

We have been testing SWU (Structured Water Unit) water irrigation with normal water irrigation in Vijay Foundation Farm for the last 18 months plus. The same plot is used for SWU and normal water respectively and different crops have been grown continuously.

After these 18 months we tested the soils of SWU Plot and Normal Water Plot and the results are displayed below, The soil test was carried out by **Central Sericulture Research and Training Institute, Mysore**.

Sample A is SWU Plot and Sample B is Normal Water Plot.

We find there is an improvement in soil Ph and availability of Potassium is more in the case of SWU



#### Plot - A...SWU

Sl.No.	Nutrient	Favourable Range	Value in tested soil
1	pH	6.5 – 7.5	7.68
2	Electrical Conductivity (millimohs/cm)	< 1.00	0.21
3	Organic Carbon (%)	0.65 – 1.00	0.57
4	Available phosphorous (Kg/ha)	15 – 25.00	40.31
5	Available potassium (Kg/ha)	120 - 240	179

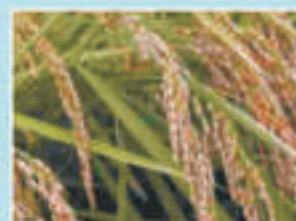
#### Plot – B....Normal water

Sl.No.	Nutrient	Favourable Range	Value in tested soil
1	pH	6.5 – 7.5	6.44
2	Electrical Conductivity (millimohs/cm)	< 1.00	0.20
3	Organic Carbon (%)	0.65 – 1.00	0.68
4	Available phosphorous (Kg/ha)	15 – 25.00	45.79
5	Available potassium (Kg/ha)	120 - 240	134

## Case Study 1: Paddy cultivation at Smt. Lakshmi Devamma's farm, K R Pet



↑ Borewell Water



↑ Structured Water



↑ Borewell Water

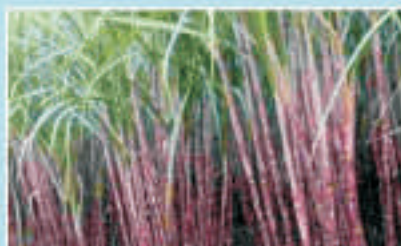


↑ Structured Water

IR-64, BR-2655, NTU-1001 variety of paddy grown in 0.75 acres. Half fed with Bore water, and other half fed with Structured water.

Details of Test Conducted	Water used	
	Bore-well Water	Structured Water
Test Area	0.375 Acre	0.375 Acre
Average count per Rice Sheath	180 good grains, 58 chaffy grains	310 good grains, 50 chaffy grains
Total Yield	355 Kgs (8 1/2 bags)	840 Kgs (12 bags)

## Case Study 2: Sugarcane/Coconut cultivation at Smt. Lakshmi Devamma's farm, K R Pet



↑ Sugarcane cultivated with Structured Water

- Sugarcane
  - Increased thickness of stem
  - Fresh, sweet, tasty and juicy
  - Organic fertilizers used only once during planting and no manure has been used

Previous yield with Borewell water = 26 tonnes  
Yield with Structured water = 30 tonnes!



Button shedding stopped in coconut trees after using Structured water.

## Case Study 3: Tsunami (Boodugumbala kaayi) at Smt. Lakshmi Devamma's farm, K R Pet



↑↑ Tsunami grown with Bore-well Water



↑↑ Tsunami grown with Structured Water



Details of Test Conducted	Water used	
	Bore-well Water	Structured Water
Yield	1100 Kgs	2250 Kgs
Height of plants	25 inches	35 inches
Number of branches per plant	1-2	3-4

## Case Study 4: Tomato cultivation at TNAU Coimbatore



↑ Tomatoes grown with Structured Water

Details of Test Conducted	Units	Water used		
		Bore-well Water	Structured Water	% Increase
Plant Height	cm	89.3	80.7	16.45
No. of Primary branches per plant	nos.	12.9	15	16.28
No. of secondary branches per plant	nos.	15.3	18.1	18.3
No. of flowers per plant	nos.	24.8	30.9	24.6
No. of fruits per plant	nos.	11.7	16.8	43.59
Yield (kg/ha)	Kg/ha	9457	13198	39.55



↑ Tomatoes grown with Borewell Water

## Case Study 5: Cotton cultivation at TNAU Coimbatore



↑ Bore-well Water



↑ Structured Water

Tamil Nadu Agricultural University (TNAU), Coimbatore				
Details of Test Conducted	Units	Water used		
		Bore-well Water	Structured Water	% Increase
Plant Height	cm	47.5	99.9	110.3
No. of Leaves per plant	nos.	133.4	137.3	2.9
Leaf Length	cm	8.9	12.9	44.9
Leaf Breadth	cm	7.9	12.1	93.2
No. of monopodial branches/plant	nos.	1.3	1.8	38.5
No. of sympodial branches/plant	nos.	9.8	16.4	67.4
No. of bolls per plant	nos.	11.7	21.9	87.2
Cotton Yield per	Kg/ha	1809	2321	38.6
Drip Uniformity Co-efficient	—	86.92	92.76	6.74

## Case Study 6:

### Okra cultivation at TNAU Coimbatore



† Bhendi Grown with Bare-well Water



† Bhendi Grown with Structured Water

Details of Test Conducted	Units	Water used		
		Bore-well Water	Structured Water	% Increase
Plant Height	cm	48.7	51.8	6.4%
No of Leaves per plant	nos.	11.8	14	18.6
Leaf Length	cm	10.4	11.2	7.7
Leaf Breadth	cm	4.8	5	4.2
No. of okras per plant	nos.	4.2	5	19
Okra length	cm	12.6	13.4	6.3
Okra girth	cm	3.4	3.8	11.8
Yield (Kg/Ha)	Kg/Ha	6293	8549	35.84

## Case Study 7:

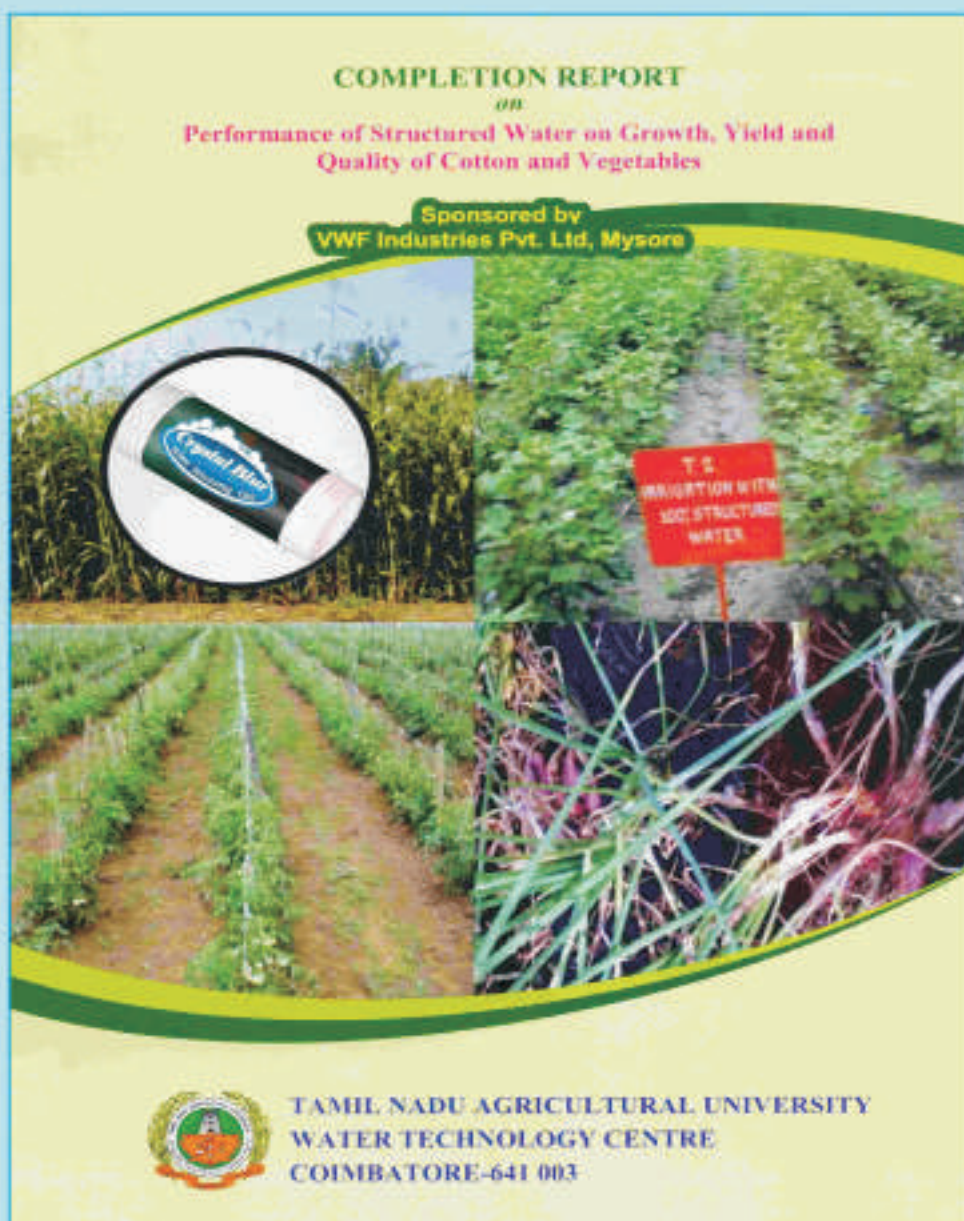
### Water Melon cultivation at TNAU Dhindivanam



† Watermelon grown using Structured Water

Feedback from the Farmer	
Bore-well Water	Structured Water
Watermelon was not uniform in size	Watermelon was uniform in size
Less tasty, dry and hard	Taste was sweet and juicy
Pale green color, not fresh and plants with pests and diseases.	Plants look green and healthy
–	Water absorption in soil is good
3 times harvest done, total weight is 24,364 kgs	One time harvesting done and total weight is 27000 kgs

Normal Cycle time: 115 days, Yield Period: 115 days		
Tamil Nadu Agricultural University (TNAU), Dhindivanam		
Test Details	Bore-well Water	Structured Water
Watermelon grown area	0.66 acres	1.34 acres
Yield	12000 kg/acre (24364 kg per 1.34 acres)	27000 kg/ 1.34 acre



### **Trials on Cotton**

- **Growth, Yield attributes and Quality was Higher**
- **Yield was Higher by 36.6%**

### **Trials on Tomato**

- **Growth, Yield, Economics and Quality was Favourable**
- **Yield was Higher by 39.55%**

### **Trials on Bhendi**

- **Growth, Yield and Economics Higher**
- **Yield was Higher by 35.84%**

### **Trials on Topiaco**

- **Yield was Higher by 19.06%**
- ✦ **Nutrient Uptake (NPK) was found higher**
- ✦ **Drip uniformity coefficient recorded higher by 7%**



## Case Study 8:

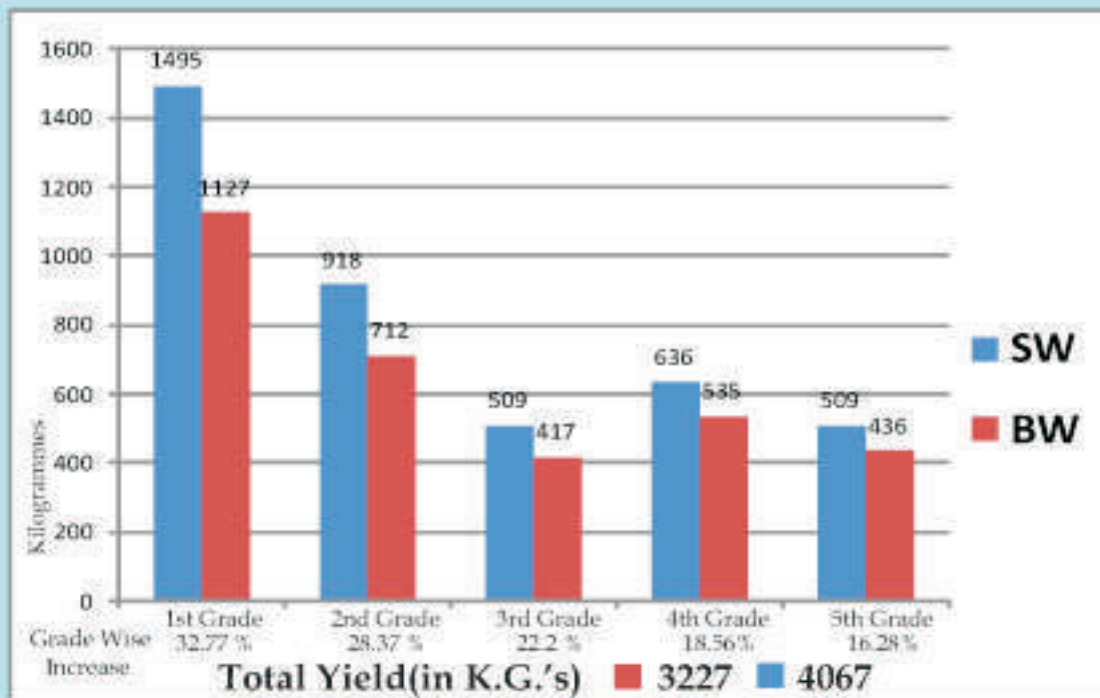
Gherkin cultivation at Bharathi Associates, Sira



Bare-well Water



Structured water



Increase in yield % after using Structured Water 26.03

## Case Study 9:

Zucchini Cultivation at Green Earths Farm In Coonor



Parameters	Bore-well Water	Structured water
Growth	Growth is average and not uniform in size	Growth is good and uniform in size.
Yield	Crop has given less flowers and fruits	Crop has given more flowers and fruits
Plant Height	Average: 13 inches	Average: 15 inches
Appearance	Pale and not healthy	Fresh, Green color and healthy

Yield =14% More with structured water!

## Case Study 10:

### Beans cultivation test at Vijay Foundation Farm – Trial 1



↑ Borewell Water



↑ Structured Water

Left: Yield from Borewell Water  
Right: Yield from Structured Water ↓



	Borewell Water	Structured Water
No. of Beans Plants	234	234
Normal Cycle time	45 days	45 days
Yield	26 kgs	66.30 kgs

## Case Study 11:

### Beans cultivation test at Vijay Foundation Farm – Trial 2



← 3 Beans Grown with Borewell Water



1 Beans Grown with Structured Water →



	Borewell Water	Structured Water
No. of Beans Plants	365	340
Normal Cycle time	45 days	45 days
Yield	119 kgs	160 kgs



## Case Study 12:

### Okra cultivation test at Vijay Foundation Farm



↑ Okra Grown with plain Borewell Water



↑ Okra Grown with Structured Water



	Borewell Water	Structured Water
No. of okara plants	512	512
Normal Cycle time	45 days	45 days
Yield	93.6 kgs	154.4 kgs



## Case Study 13:

### Radish cultivation test at Vijay Foundation Farm



† Radish Grown with plain Bore-well Water : 3.6 kgs (72 plants)



† Radish Grown with Structured Water : 6.10 kg (72 plants)

Parameters	Bore-well Water	Structured Water
Yield	Decrease	Increase by 287.5%
Soil water absorption	Less	More
Weight & Size	Less	More
Appearance	Pale yellow, not fresh & Plants with Pests / Diseases	Milky White, fresh & Not affected with Pests / Diseases
Taste	Less tasty, Dry & Hard	Spicy, Crispy & Juicy

## Case Study 14:

### Green Chilly cultivation at Vijay Foundation Farm



† Green Chilly grown with Bore-well Water



† Green Chilly Grown with Structured Water

Parameters	Bore-well Water	Structured Water
Growth	Average, not uniform in size	Good Growth, Uniform Size
Height - Maximum	50	56
Height - Minimum	29	36
Number of Branches	6	6
Yield	38.5 Kgs	68.7 kgs

## Case Study 15:

Ridge Gourd (Heerekai) cultivation at Vijay Foundation Farm



↑ Borewell Water ↓



↑ Structured Water ↓



## Case Study 16:

Structured water used to grow Green Grass at Dairy farm in Hyderabad



← Structured Water Unit installed at a Dairy Farm in Hyderabad.



↑ Grass grown before (Bore-well Water)



↑ Same Grass after using Structured Water

## Case Study 17

Mulberry crop at Organic farm, Mysore Gaddige Road, Sargur

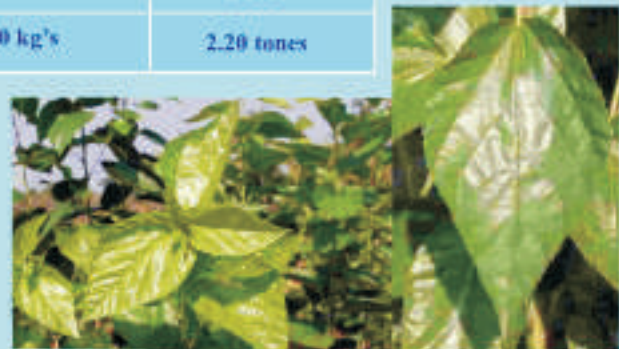


Result of Structured Water of Mulberry Plantation at Mr. Venkatesh (Banuli) Farm in Halladamanaganahalli, Bogadi-Gadigge Road, Mysore Dist

Particulars	Bore well Water	Structured Water
Stem Height	320 cms	402 cms
No of Branches in each plant	5	7
Stem width	1.50 inches	1.75 inches
No of leaf in each plant	63	255
Leaf weight in each plant	0.8 kg	1.10 Kg
Total no of plants	2000	2000
Area	1 acre	1 acre
Total weight of leaf	800 kg's	2.20 tones



Borewell Water



Structured Water

## Case Study 18: Grape Cultivation at University of Horticulture, Bagalkot



1. Bore-well Water



2. Structured Water



## Case Study 19: Water Melon cultivation



1. Watermelon grown using Bore-well Water



2. Watermelon grown using Structured Water

Feedback from the Farmer	
Bore-well Water	Structured Water
Watermelon was not uniform in size	Watermelon was uniform in size
Less tasty, dry and hard	Taste was sweet and juicy
Pale green color, not fresh and plants with pests and diseases.	Plants look green and healthy
-	Water absorption in soil is good



Case Result		
Test: Details	Bore-well Water	Structured Water
Watermelon grown area	1 acre	1 acre
Yield	33 tons	40 tons



## Case Study 20: Sweet Potato at Vijay Foundation, Mysore, Karnataka



Borwell Water ↓↑



↓↑ Structured Water

Particulars	Borwell Water	Structured Water
Area	1Row	1Row
No. of Plants	120	120
Yield (In Kg/S)	27	55



## Case Study 21: Tomato at Vijay Foundation, Mysore, Karnataka

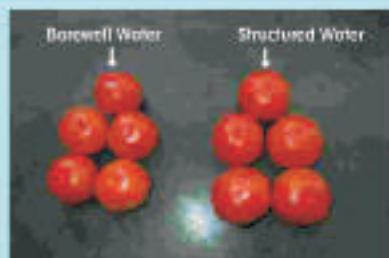


Borwell Water ↓↑



↓↑ Structured Water

Particulars	Borwell Water	Structured Water
Area	1.25 Gunta	1.25 Gunta
No. of Plants	345	324
Plant Height (Length in cm)	113	136
Branches	8 to 10	10 to 12
Fruit Size (Length in cm)	7	8.5
Fruit Size (Width in cm)	17.5	19.5
Leaf Size (Length in cm)	8.5	9.5
Leaf Size (Width in cm)	4.00	5.3
Yield * (In K.G/S)	321.7	426.9



## Case Study 22: Beans at Vijay Foundation, Mysore, Karnataka



Borewell Water ↓↑



↓↑ Structured Water



Particulars	Bore well Water	Structured Water
Area	1.25 Gunta	1.25 Gunta
No. of Plants	326	322
Fruit Size (Length in cm)	18	21
Fruit Size (Width in cm)	3.3	3.5
Leaf Size (Length in cm)	13	14
Leaf Size (Width in cm)	10	12
Yield (In K.G./%)	77.85	177.2

Yield 127.62% more in structured water compared to borewell Water

← Borewell Water



Structured Water →



## Case Study 23: Maize at Benakanahalli Village, Bijapur Dist., Karnataka



Borewell Water



Mr. Sangappa Ankalgi  
Progressive Farmer



Structured Water

Particulars	Bore well Water	Structured Water
Area	6 Acres	4.5 Acres
Yield in Quintals	50	60
Yield / Acre in Quintals	8.33	13.33

Former Benefitted Rs. 26000@Rs.1200 / Quintal, in 4 months from just 4.5 acres



## Case Study 24: Sugar cane at Bannari Amman Sugars



Borewell Water



Structured Water

Details Of Sugar Cane (Co808032 Variety) at Bannari Amman Sugars

Particulars	Bore well Water	Structured Water
Area	1.44 acres	2.04 acres
Nu. of Row	72	100
Nu. of plants in one Row	191	201

Date	Particulars	Bore well Water	Structured Water
25-12-2014	No. of Rings (Ginns)	8	11
	No. of Branches	9	12
	Width in cm	8.42	10.15
	Ring (Ginns) Distance in cm	14.15	15.15
	Plant Colour	Light Green	Dark Green
	Leaf Length in cm	131.5	140.6
	Leaf Width in cm	4.04	4.92

Average of 20 Readings



## Case Study 25: Maize at Govindraj Farm, Nadupalayam, Coimbatore



Borewell Water



Structured Water



Particulars	Bore well Water	Structured Water
Plant Height in cms	250 to 280	280 to 290
No. of Rings	10	11
Width in cm	6	8
Ring Distance in cm	34	34
Fruit Size	Small	Big
Leaf Length in cm	54	60
Leaf Width in cm	5	6





UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT



**Report  
On**

**EFFECT OF STRUCTURED WATER ON YIELD AND QUALITY OF  
GRAPE (*Vitis vinifera* L.) VARIETY THOMPSON SEEDLESS**

Sponsored by  
**VWF INDUSTRIES (P) LTD  
MYSORE**

UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT  
DIRECTORATE OF RESEARCH

‘ The study indicates that use of structured water along with 100% RDF found beneficial as compared to bore well water treatments. Use of structured water slightly improves the water quality like pH, EC and other water quality parameters, like yield and quality parameters viz. No. of panicles per vine, weight of bunch, weight of hundred berries, TSS, Yield per vine and Yield per ha shows positive response with the use of structured water as compared to bore well water.’

## Case Study 26: Raddish at Vijay Foundation, Mysore, Karnataka



Borewell Water ↓↑

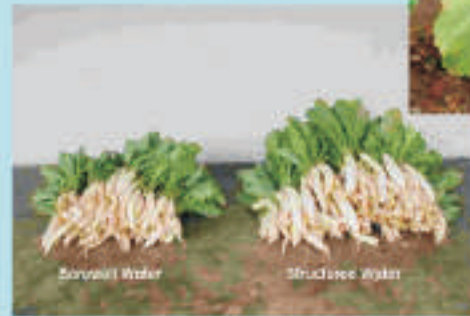


↓↑ Structured Water



Particulars	Bore well Water	Structured Water
Area	1650 Sq.Ft.	1650 Sq.Ft.
No. of Rows	30	30
Yield in K.g.'s	49	88

79.59% more in structured water compared to borewell Water



## Case Study 27: Bananas at Amble, Chamrajnagar, Karnataka



Fertilizers sprayed only once while using Structured water instead of three times during 5 months period. Total savings of Rs.9000 on 3 acre consisting of 4000 plants. The height and breadth of the Plant has also increased. Fruit which was around 10 Kgs. per bunch has also increased to around 14 to 15 kgs.

## Trials at Kumbakonam, Tamil Nadu



Borewell Water ↑

↑ Structured Water

## Coconut sapling at Banuli Venkatesh Farm, Gaddige Road, Mysore, Karnataka



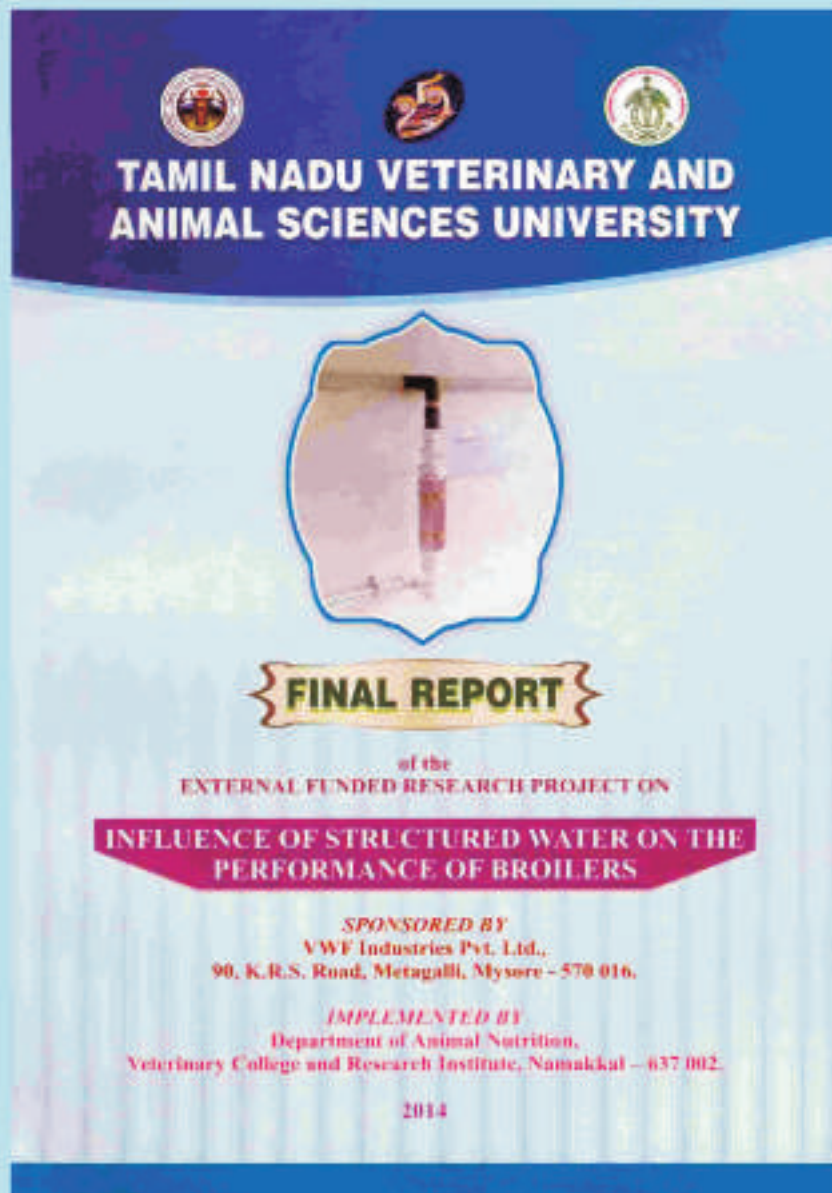
Borewell Water ↑

↑ Structured Water

Coconut sapling after 3 months of planting

## Wheat & Channa Grown in Bikaner, Rajasthan





- **Body weight (g) was numerically higher in SWU group by 27gms.**
- **Feed conversion efficiency was relatively better in SWU group 1.802 vs 1.769**
- **Heart and spleen weight were high and abdominal fat content was low in SWU group**
- **Immune status of birds found high in terms of titre value**
- **Extra profit earned by SWU group was Rs. 2.07 per bird**

## Case Study 28:

Structured Water used at a Poultry Farm In Bengaluru District



†Chicks fed with Bore-well water at Bangalore farm



†Chicks fed with Structured water at Bangalore farm



Parameters	Bore-well Water shed	Structured Water shed
Total chicks	2430	2970
Total Weight	3864 Kgs	5528.7 Kgs
Average Weight	1.59 Kgs	1.86 Kgs

## Case Study 29:

Structured Water used at a Poultry Farm in Tiptur, Tumkur District

Parameters	Structured water
Age of chicks	40 days
Average weight of the chick	2.20 kgs
Feed Conversion	Actual: 1.63 kg Standard: 1.8 to 2.0 kg

### • General Observations

- Mortality Improved. Sudden death not observed
- Stable and no health issues
- No additional antibiotics given to the batch
- Chicken looking very alert and active
- Chick feathers were white and good looking
- Manure smell is very less
- Normally raking stopped in 30 days, this time raking continued up to 40 days
- Chicken were of uniform size, Average weight 2.20 kgs in 40 days.



†Chicks fed with Structured water at Tiptur farm

## Influence of Structured Water on the performance of Broilers

Parameters	Tap Water	Structured Water
Body Weight (g)	2041 ± 21	2068 ± 21
Cumulative Feed Intake (g/bird)	3582 ± 29	3564 ± 27
Feed Conversion Ratio	1.757 ± 0.015	1.725 ± 0.017

## Influence of Structured Water on carcass traits, RD titre and litter moisture (%) at 42 age

Attribute	Tap Water	Structured Water
Skin + Feather weight (as BW%)	12.27 ± 0.31	12.51 ± 0.36
Blood weight (as BW%)	3.35 ± 0.14	3.54 ± 0.13
Liver weight (as BW%)	2.06 ± 0.05	2.08 ± 0.05
Heart weight (as BW%)	9.16 <sup>a</sup> ± 0.20	10.12 <sup>b</sup> ± 0.34
Gizzard weight (as BW%)	1.84 ± 0.04	1.99 ± 0.06
Dressing %	65.20 ± 1.23	67.61 ± 0.56
Thymus (as BW%)	0.256 ± 0.027	0.294 ± 0.019
Spleen weight (as BW%)	1.817 <sup>a</sup> ± 0.005	2.730 <sup>b</sup> ± 0.012
Bursa weight (as BW%)	0.072 ± 0.008	0.099 ± 0.010
Abdominal Fat (as BW%)	1.204 <sup>b</sup> ± 0.061	1.021 <sup>a</sup> ± 0.055
Intestinal length (cm/Kg BW)	96.42 ± 1.879	101.66 ± 1.587
Hot carcass weight	1355.46 ± 21.98	1361.67 ± 14.63
Feet weight (as BW%)	4.06 ± 0.11	4.19 ± 0.09
Head weight (as BW%)	3.26 ± 0.05	3.34 ± 0.09
RD Titre(log <sub>e</sub> )	3.39 <sup>a</sup> ± 0.08	4.11 <sup>b</sup> ± 0.32
Litter moisture (%)	11.51 ± 0.94	10.92 ± 0.96

Carcass traits and RD Titre: Each value is the mean of 24 observations

Litter moisture: Each value is the mean of 10 observations



## Benefits - Agriculture

More	Less
Increase yields 10%-30%	Reduce water use up to 30%
Increase water absorption in soil	Prevent and remove scaling
Increase bio-availability of water & nutrients to plants	Reduce fertilizer and pesticide needs
Increase oxygen concentration	Reduce electrical bills
Improve soil pH	
Increase weight and size of product	
Increase shelf life of produce	
Increase seed germination	

## Benefits – Dairy & Poultry

Dairy	Poultry
Increased milk production	Mortality Rate Reduction
Increased feed efficiency	Immunity Enhancement
Increased bio-availability of nutrients	Ammonia Reduction
Increased daily weight gain	Increased Weight
Improved cow and calf health	Improved Feather & Coloration Quality
Increased tolerances to temperature extremes	Chickens More Peaceful & Alert
Increased calf livability	Reduced Costs on Inputs
Increased hydration	

## Economic Gain Using Crystal Blue



### Economic Gain Using Crystal Blue on Maize at Benakanahalli, Bijapur, Karnataka

Particulars	Bore well Water	Structured Water
Area	6 Acres	4.5 Acres
Yield in Quintals	50	60
Yield / Acre in Quintals	8.33	13.33

Farmer Benefitted Rs. 26000@Rs.1200 / Quintal, in 4 months from just 4.5 acres



### Economic Gain Using Crystal Blue on Paddy at Cuddalore, Tamil Nadu

Particulars	Bore well Water	Structured Water
Area	0.5 Acres	9.5 Acres
Yield in Bags	8	212
Yield / Acre in Bags	16	22

Additional Gain actually obtained in 9.5 acres where Crystal Blue was used is Rs.48,450



### Economic Gain Using Crystal Blue on TOPIACO at Kattampatti, Dharmapuri, Tamil Nadu

Particulars	Bore well Water	Structured Water
Area	3 Acres	3 Acres
Yield in Tons/acre	18	20
Starch Point	26	26
Total Yield in Tons	54	60

Additional Gain actually obtained where Crystal Blue was used is Rs.24,000



### Economic Gain Using Crystal Blue by Renowned Poultry Feeds at Udumalpet, Tamil Nadu

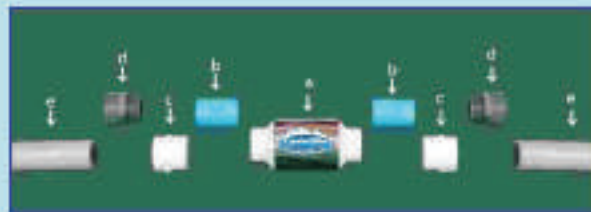
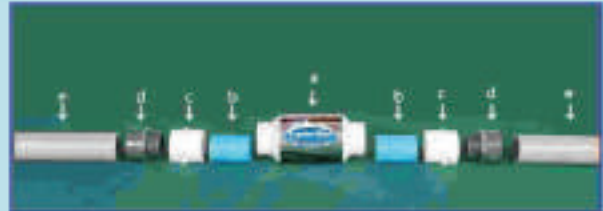
	Trial 1	Trial 2
Increase in Average Weight of Bird	23 Gms.	90 Gms.
Reduced Consumption of Feed Per Bird	56 Gms.	45 Gms.
Mortality Rate Reduction	0.5 %	1.0 %
Reduced Production cost per Bird	Rs. 1.50	Rs. 1.25

## 1" SWU Installation Guidelines



- a STRUCTURE WATER UNIT
- b 1 INCH UPVC PIPE ( CUT PCS) - 2 NOS
- c 1 INCH UPVC FTA -2 NOS
- d 1 INCH PVC MTA - 2 NOS
- e 1 INCH PVC PIPE LINE

## 2" SWU Installation Guidelines



- a STRUCTURED WATER UNIT
- b 2" UPVC PIPE ( CUT PES)-2 NOS
- c 2" UPVC FTA -2 NOS
- d 2" PVC MTA - 2 NOS
- e 2" PVC PIPE LINE

## 3" SWU Installation Guidelines



- a STRUCTURED WATER UNIT
- b 3" UPVC MTA -2 NOS
- c 3" PVC PIPE LINE



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