

# Implosion of Water – Boon for Agriculture

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**Abstract**— With the increase in population (approx. 133.92 crores), there is crisis of water in raising crop, especially in the drought prone areas. With uneven utilisation of water, the water level is decreasing continuously. So, there is great need to evolve such a technique that increases crop yield per unit volume of the water (water productivity). There is hope that implosion of Water using Phase Conjugate Magnetic Part And Centripetal Implosive Part Improves Growth attribute of seed and the plant.

**Key words:** Water, Agriculture

## I. INTRODUCTION

Water is one of the most essential compound for the existence of life. It has many properties which make it different from other compound. Water molecule consists of two atoms of hydrogen and one oxygen atom. In the three-dimensional model of water, it consists of partial positive and negative charges such that water is packed in hexagonal lattice. This shape of water can be structured, reorganised (water structuring) and vortex using the magnetic field. Such structured water has increased bioavailability, in this way it increases plant growth.

## II. HOW THE TECHNOLOGY WORKS

Implosion of the water consists of compressing, collapsing molecules of water violently inward using phase conjugation and centripetal implosion.

### A. Phase Conjugation

It is a wave phenomenon in which certain geometry, condition, magnetic arrangement etc. cause waves to strengthen each other by adding and multiplying each other.

### B. Centripetal Implosion

In fluid dynamics sense, centripetal force refers to the suction process that causes fluids to move inward and towards the centre in a spiraling whirling path. It can be called a vortex and affects the nature of water in a profound way.

### C. Imploder Device

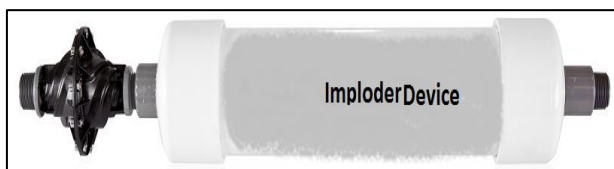


Fig. 1: Imploder Device



Fig. 2: Nozzle

It consists of a magnetic array that is arranged in front of the nozzle, in a plastic pipe, often shielded with steel, which produces an implosive flux line causing the de-clustering of water molecules. The shape of water changes under the influence of centripetal re-organising force as it appears like “pony tail”.

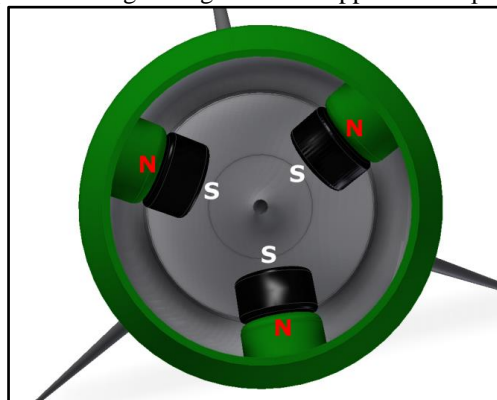


Fig. 3: Magnetic Array

### D. How the Device Works

Water passes from the nozzle end under a pressure of 20psi. Spinning of the nozzle produces a vortex causing de-clustering of water molecules. It breaks into micro-clusters of smaller size more spun. Thus, a silky appearance of water is observed as seen when water falls from great heights in a waterfall.

After this water passes through a high magnetic flux density by this molecule of water, it sorts itself, reorganises in the magnetic field. This helps in structuring of water molecules.

### E. Water after Implosion

In unimploded water, water molecules cluster together, making them hard to penetrate a cell wall. Therefore, more water is required for plants to fully hydrate.

In imploded water, water is passed through an imploder vortex nozzle, reducing the molecular cluster size. Secondly, water is passed through a magnetic array, arranging water in proper order.

The result is that water is properly sorted and easily penetrates the cell wall, requiring less water to fully hydrate.

### F. Change in Properties of Water

#### 1) Solubility

Solubility of imploded water increases, thus causing mineral matter to be easily available to plants.

#### 2) Ph

Reduction in pH is observed after implosion. Thus, balancing the pH causes improvement in crop yield.

#### 3) Entropy

About 46% reduction in entropy is observed as compared to untreated water. Water becomes more re-organised.

#### 4) Absorbability

Due to de-clustering of water molecules, it is easily absorbed by the plant.

5) *Hardness*

Water become soft and silky in nature .it is easy to pass such water through pipe in drip irrigation

6) *Energy*

Energy of water is increased thus less amount of water cause more growth in comparsion to normal tap water.

7) *Redo potential*

Redox potential decrease by 6.5% thus it healthier to plant.

III. BENEFITS OF USING IMPLoded WATER

- It reduces water use upto 20%.soft and vortex water easily penetrates the soil, Span large area in less time due to increase in energy, preserve soil moisture, initiate soil nutrient and enhance plant growth and improves root and plant growth, save irrigation requirement by 20%.
- Reduce 10-50% in chemical consumption. Reduce requirement for fertilizer, insecticide, pesticides, herbicide and fungicide because implosion makes input more soluble.
- Increase stem width, leaf size, plant height.
- Reduce 10% in energy consumption .Low scale build up in pipe better flow saves pumping cost. Thus improve bottom line of the farmer.
- Increase productivity 10-30%.Save money, time, and healthier environment.

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