



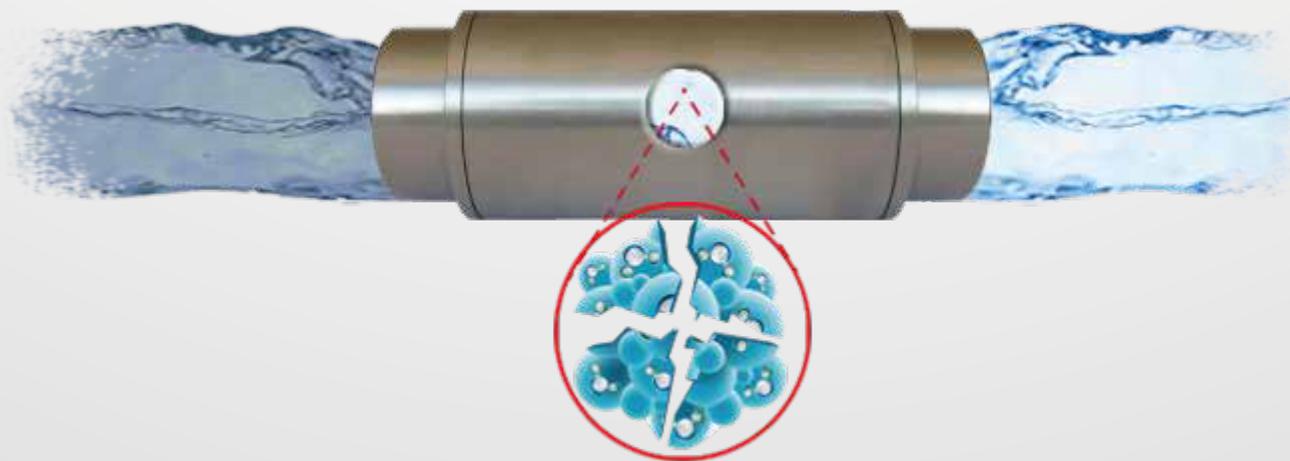
**Better quality water
improves the life of
every living thing**

Distributed by The Green Superhighway under
license for Quantum BioTek

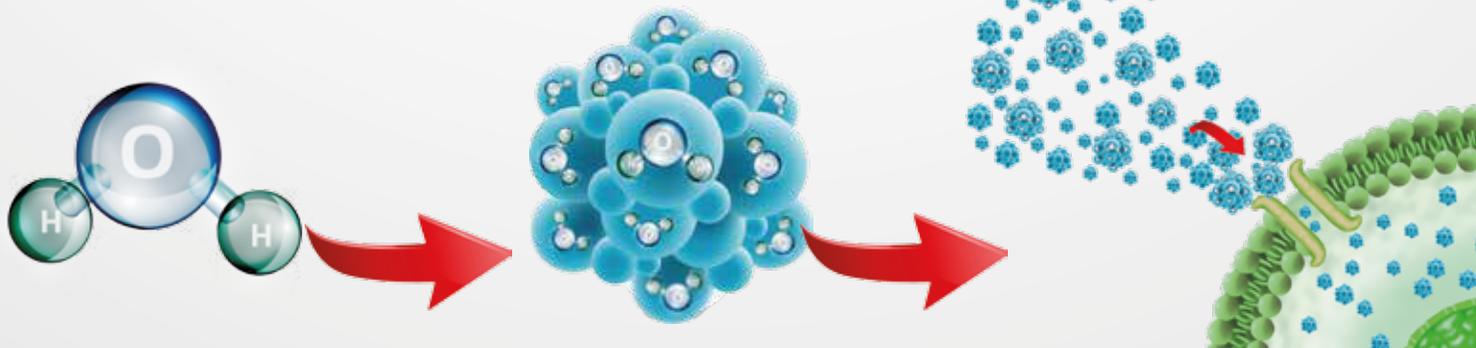


Hydrodynamic Magnetic Resonance

... is a device using hydromagnetic technology
revitalising and improving water.



The molecular structure of water ...



Water molecules normally ..

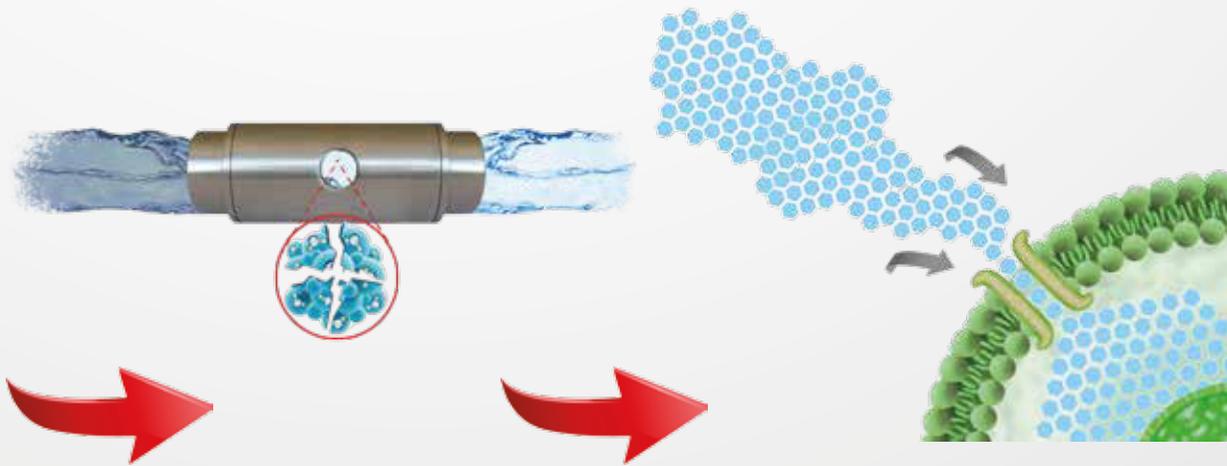
.. move in large disordered clusters ..

... of different sizes and often cannot enter cells.

Poor hydration and low nutrient absorption



... can be changed by a magnetic field



Disordered sets of water molecules . .

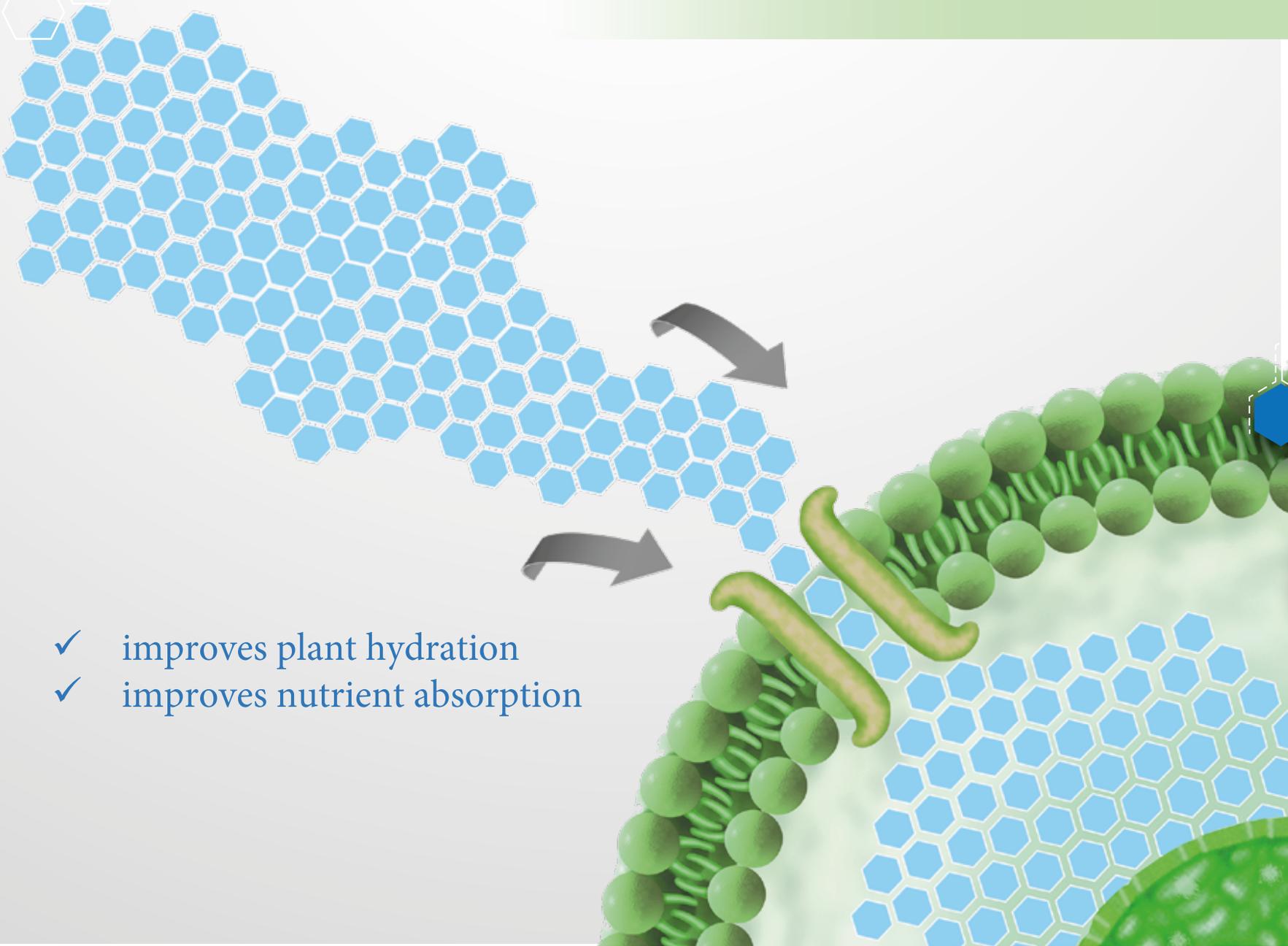
. . are broken down and reordered . .

. . into smaller sets of ordered molecules more easily absorbed into cells.

Poor hydration and low nutrient absorption



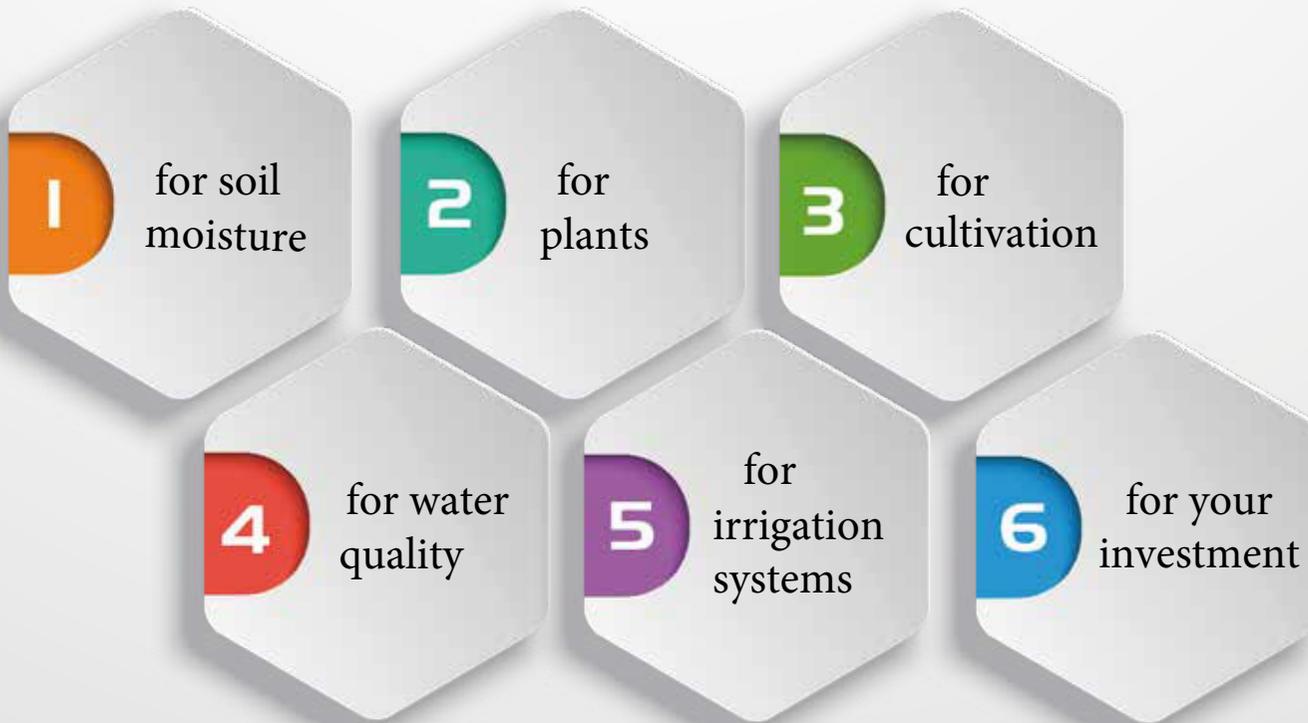
Better structured water



- ✓ improves plant hydration
- ✓ improves nutrient absorption



Benefits



D Soil moisture

Better soil oxygenation

Better pH

Better moisture retention

Better electricity conductivity (C.E.)

2

Plants

Better nutrient
absorption

Improved
germination

Better
phytosanitary
outcomes

Better crop
yields

3

Cultivation

Better crop
yields using same
farming land

Extends
useful life of
fruit trees

Less fertiliser
and water
required



4

Water Quality

Lighter and
less viscous

More soluble

Better
oxygenation

Breaks surface
tensions
improving
applications

5

Irrigation systems

Extends
useful life of
equipment

Prevents
clogging of
irrigations
pipes

Reduces
maintenance
costs

6

Investment

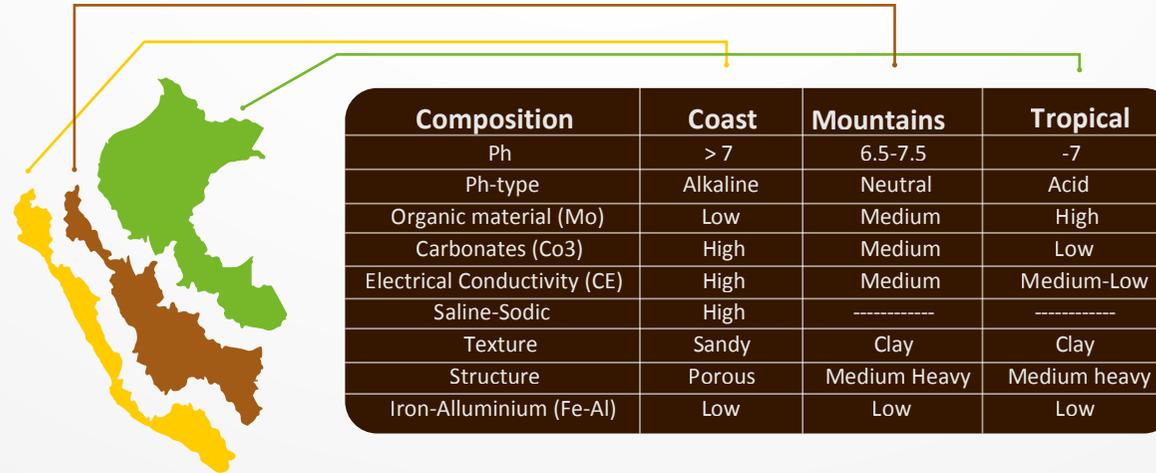
Saves
water

Reduces
energy use

Resource
optimisation
reduces
carbon
footprint



Soil Characteristics



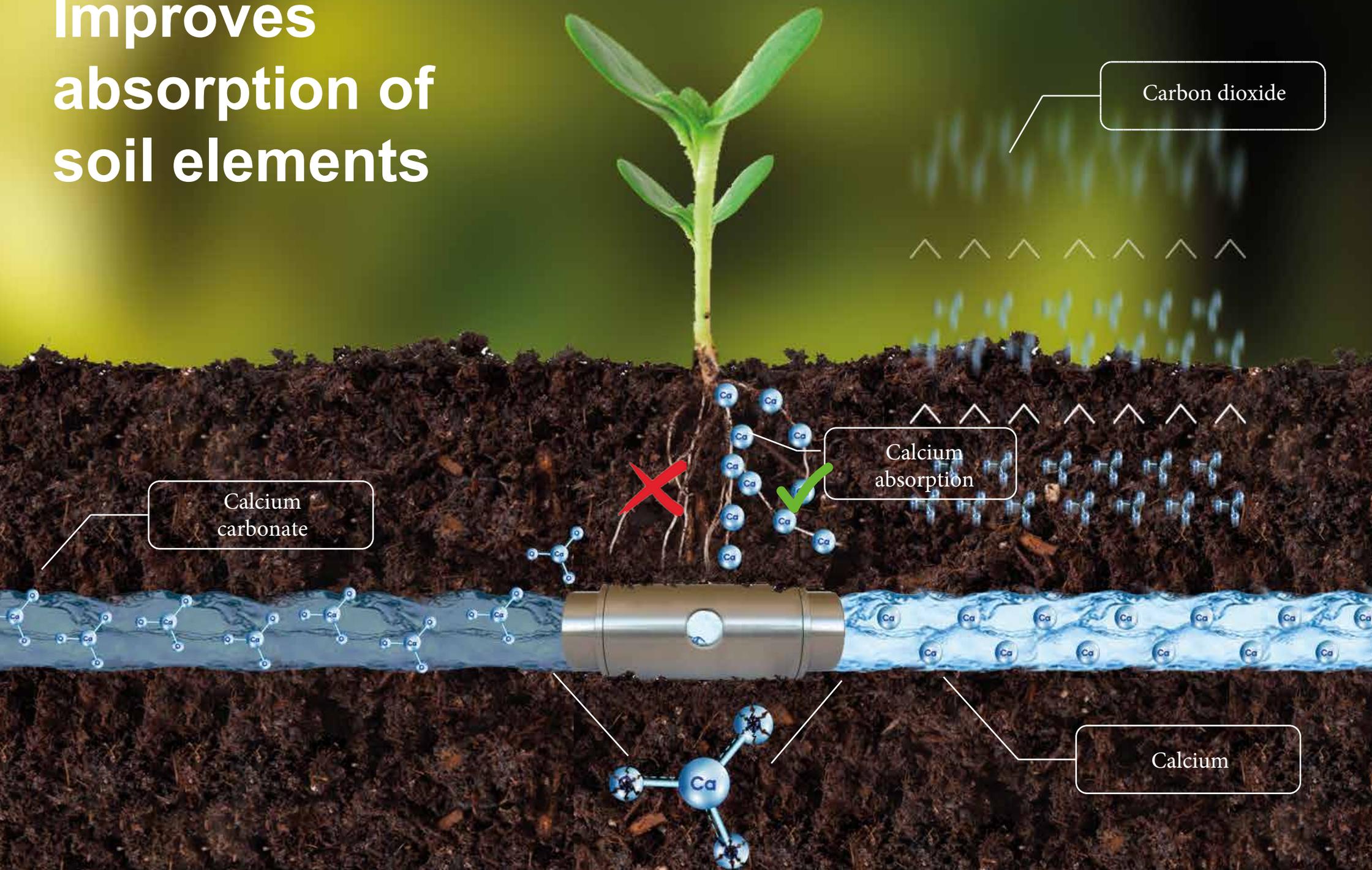
Basic Soil Requirements - by crop

	Onions	Capsicum	Asparagus	Avocado	Blueberry
Ground	Loam	Loam/Sandy	Loam/Sandy	Loam/Sandy	Acid
PH	6 A 7	5,5 a 7	6,5 A 8	5,5 A 7,5	4,5 A 5,5
Organic material	High. More than 3%	High. More than 3%	Medium	High. More than 3%	High. More than 3%
Salinity	Medium-Low	Medium-Low	High	Low	Low

Solutions

REGULAR	PH	Electrical Conductivity	Carbonates (Co3)	Soils Saline-Sodic
	✓	✓	✓	✓

Improves absorption of soil elements



Better hydration and nutrient absorption

Without treatment

With treatment

Crop: Red Onions
Zone: Santa Rita-AQP



Better quality and more production

Without treatment		
Class	Bags	Kg
First	350	34,345
Second	51	5,076
Third	31	3,123

Total

42,544

With treatment		
Class	Bags	Kg
First	406	39,828
Second	31	3,064
Third	72	7,103

Total

49,995

Difference

7,450 Kg

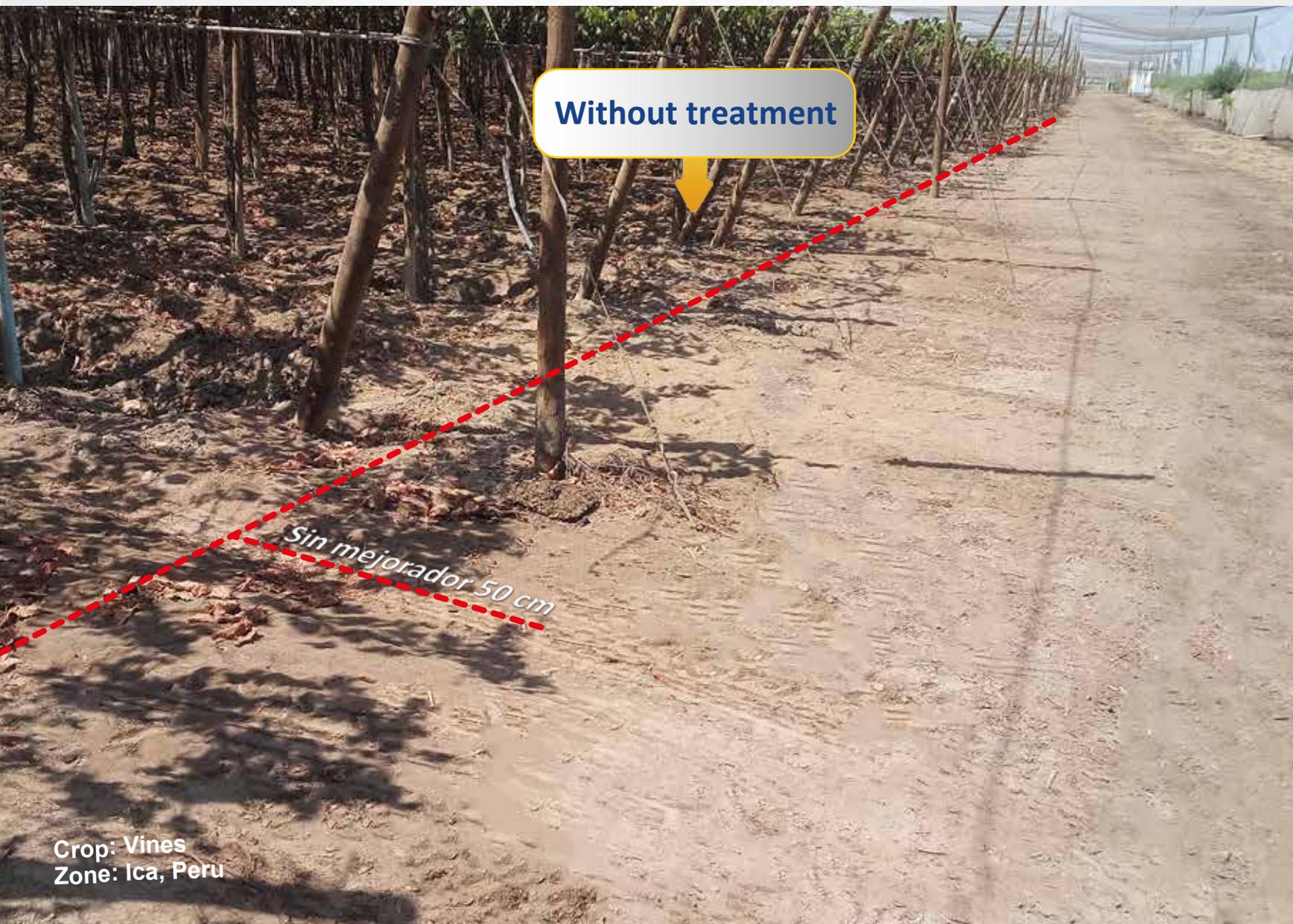
15%



+ 15%



Greater moisture retention



Crop: Vines
Zone: Ica, Peru



Higher moisture retention



With treatment

Mejorador Magnético 1.50 m

Crop : Vines
Zone: Ica, Peru



Effect of HDMR treatment

Without treatment

With treatment

Crop : Clementine mandarine
Zone : Ica, Peru



Planted same time

Without treatment

With treatment

Crop: Capsicum
Zone: Pedregal-AQP



Water Savings

Following 25 days of irrigation	
Without treatment	With treatment
872 m³	669 m³
Water Savings	202.9 m³
Water Savings s a %	23 %

Crop: Watermelon
Zone: Piura, Peru



Improvements to pH and electrical conductivity of soil

Soil Analysis Report

Villacuri Farm
Sky Crop S.A.C.
Lima, Peru
Atlas Asparagus

Lot 1 Lot 1
11/02/2015 26/11/2015 Units

Physical Properties - Granulometry

Sand	98	85	%
Silt	2	10	%
Clay	0	5	%
Electrical conductivity	6.77	2.74	dS/m
pH	8.51	7.61	

Available Bases

Available Calcium	15.4	14.3	mEq/100g
Magnesium Available	0.75	0.5	mEq/100g
Potassium Available	0.41	0.4	mEq/100g
Sodium Available	1.27	0.66	mEq/100g
Sum of Available Bases	17.9	15.9	mEq/100g

Complex of Change

Potassium Change	0.26	0.25	mEq/100g
Calcium Change	11	5.96	mEq/100g
Magnesium Change	0.32	0.19	mEq/100g
Sodium Change	0.14	0.09	mEq/100g
Change in Bases	11.7	6.49	mEq/100g

Basic Characteristics

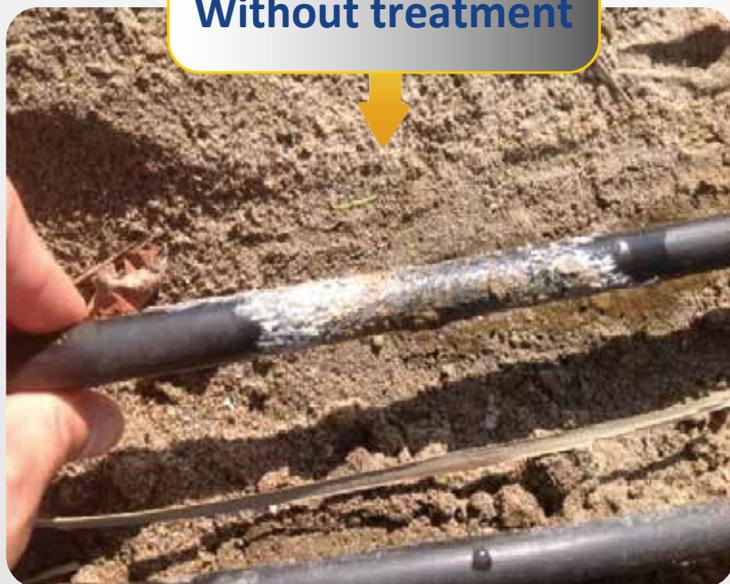
Cation exchange capacity	11.7	6.49	
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Producer: Sky Crop
SAC Crop : Asparagus
Zone: Ica, Peru



Extending useful life of irrigation systems

Without treatment



With treatment



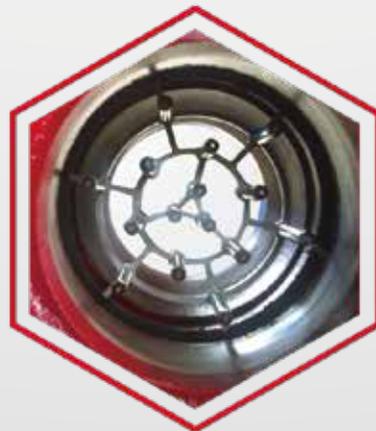
Crop: Vines
Zone: Ica, Peru



Easy installation



HDMR devices do not use energy



Magnetic Water Improvement User Manual

Presentations of the Magnetic Water Enhancer.

A) **Portable Magnetic Enhancer** for home use. Easy to use and transport. Cone shape for passing liquids for human consumption.



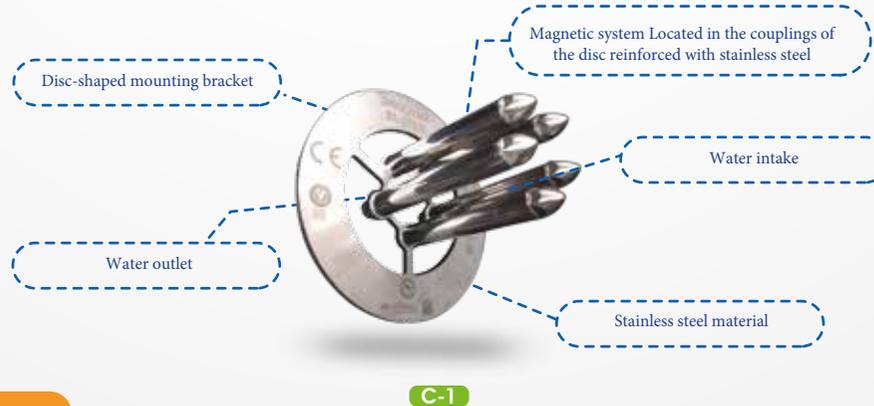
B) **Magnetic Water Enhancer** for domestic, industrial and agricultural use. These are found in different sizes (inches) according to the required coupling at the installation site.



Two inches and more

Presentations of the Magnetic Water Enhancer.

C) Magnetic Water Enhancer for domestic, industrial and agricultural use. These are found in different sizes (inches) according to the required coupling at the installation site.



Household Appliances:

Identify the point of entry of water to the home. Install the equipment at the identified point taking into account the address indicated by the equipment. (Ref Image B-1). In the case of equipment of 2 inches or more, it is necessary to have a flange for the connection with the pipe. The water flow should start at the inlet opening. (Ref: Image C-1)

Agricultural Installations:

Identify the point of entry of water into the irrigation system. It is recommended to install it after the water filters for direct use in the field. Install the equipment at the identified point taking into account the direction indicated by the 1-inch equipment. (Ref: Image B-1). In the case of equipment of 2 inches or more it is necessary to use a flange for the attachment to the irrigation system. The water flow should start at the inlet opening. (Ref: Image C-1)

Industrial Installation:

Identify the point of entry of water in the required process. Install the equipment at the identified point taking into account the address indicated by the equipment. (Ref Image B-1). In the case of equipment of 2 inches or more, it is necessary to use a flange for the connection with the pipe. The water flow should start at the inlet opening. (Ref: Image C-1)

Note:

The water with its new structure in a state of rest or storage has a useful life of 24 hours.
The equipment does not replace filters, technologies or equipment prescribed by a physician.

Guarantee Policy

Overview

All equipment distributed by Quantum BioTek has a LIMITED warranty confined and exclusive to manufacturing faults or malfunctions.

The guarantee will be valid for 5 years provided the product is under normal use conditions and used as instructed in the MANUAL OF USE.

The Quantum BioTek guarantee comes into effect from the date of purchase shown in the invoice and only covers the cost of repair or replacement of the product. All transportation and installation costs are excluded.

To process the warranty of a product the customer must:

- ✓ Present original legible invoice of purchase.
- ✓ Deliver the product in original packaging without physical damages that invalidates the warranty.
- ✓ To comply with the BioTek Magnetic Water Improver conditions of sale and comply with warranty conditions according to the operation of the equipment is 1 year.
- ✓ To activate the equipment warranty they must show the results of a treated field versus a token.



Guarantee Policy

Terms

The guarantee does NOT cover in the following cases:

- When the product presents physical damage due to bad handling or transportation.
- Damage caused by incorrect installation.
- Damage caused by uses other than intended in their manufacture as detailed in the MANUAL OF USE.

If the results obtained show an improvement in one or more of the following variables:

- Saving in electrical energy.
- Increase in production.
- Improvement of moisture retention in soil.
- Cultivation happening in soils saturated in salts.
- Obstructions.
- Saving water.
- Saving of fertilizers.





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