

India's No.1 Selling Brand

Hardness
To
Happiness



JaldootTM
Crystal Clear Naturally Water

○ Agriculture ○ Domestic ○ Commercial ○ Industrial
Water Conditioner-Softener





Krushi Nature Water Care Pvt. Ltd.

Shop No.: C-116, Mega Center, Magarpatta, Hadapsar, Pune -13, Maharashtra (India)

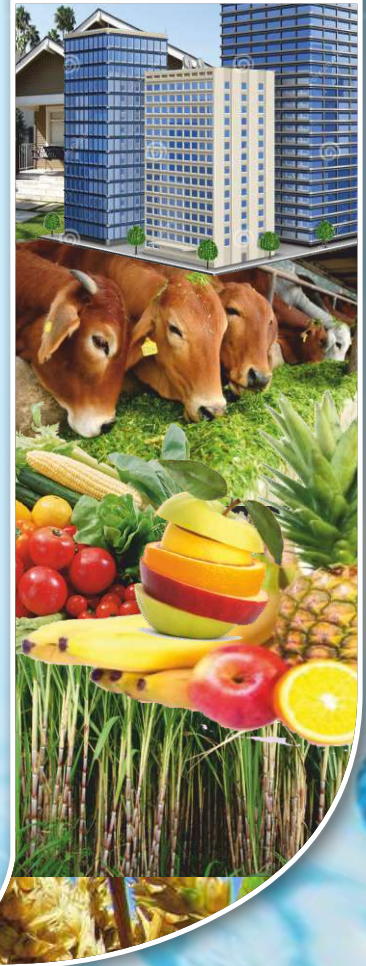
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▶ Jaldoot Water Conditioner  Jaldoot@9656  www.jaldootcorporation.com

The Green Revolution

An ISO 9001:2008 Certified Company



ABOUT US

Krushu Nature Water Care Pvt. Ltd. is an ISO 9001:2008 certified company and earned a brand name in Manufacturing and supplying of quality innovative products i.e. Magnetic, Electro Magnetic, Electronic & Pulse, Water Conditioner / Softener, De-Scalar, Catalytic Technology. These products **JALDOOT WATER CONDITIONERS** are used in various industrial applications, agriculture as well as household purposes. This profile is a first step towards building that mutual trust and confidence, by introducing ourselves to you. Here we have tried to answer any questions that may arise in your mind; and we assure you of answering any other questions that may arise in your mind.

'JALDOOT WATER CONDITIONER / SOFTENER.'

This is the special investigation in the field of 'HARD WATER' which helps in the field Where water is 'soul' of process. Our Product is a special designed product in which - Ultrasonic, Magnetic static as well as pulsing power technology, in addition to these three technologies we have added a Catalytic technology in our water conditioner (please see photo of our 'Three dimensional Water Conditioner' in attached file), due to which our product is a best of all, consuming less power, giving us the best results, all is controlled by the advanced designed micro - processor. We agree that every business should make money, but money is not the only Thing that a business should make



What do we do?

We provide premium HARD WATER solutions with our modern and creative way.

PROBLEMS CAUSED BY HARD WATER:

Calcite, the main cause of scale, is the most common form of calcium carbonate and occurs naturally as a natural ingredient of chalk, limestone and marble. Water passing over and permeating through such rocks dissolves calcite when this water subsequently flows through a water system the calcite precipitates out to form a very hard scale on surfaces.

When hard water is heated, or evaporation takes place, the problems are exacerbated. Calcite forms ever growing layers of rock-like deposits until eventually pipes, jets and equipment become totally blocked.

The problem increases as the water gets hotter. Water containing 145 ppm of calcite, flowing at 3.5 litres per minute, produces in one year 4.8 kilograms of scale at 60°C. At 80°C this rises dramatically to a massive 29.9 kilograms!

Scale wastes both energy and financial resources just one eighth of an inch of scale reduce heating efficiency by 25%. It is also very expensive to remove de-scaling pipes and boilers.

HOW IT WORKS?

Process of Jaldoot Water conditioner (3-Stage-Electrolysis, Electronic Frequency with Permanent Magnet, Electromagnetic).

"JALDOOT" is a unique, efficient, energy-saving device designed to eliminate the problems of hard water, whilst retaining the natural benefits. This is achieved by changing the size of the particles of precipitated compounds, by aiding the ability of crystals to form their shape, and by altering the solubility of compounds within liquid.

"JALDOOT" takes the process of induced ionization to its ultimate stage of Cathode and Anode. The principles of Magneto hydrodynamics (MHD) are applied by passing **JALDOOT** patented signal through a coil wrapped around the pipe to be treated. The signal consists of a frequency modulated (FM) waveform within the audio frequency (AF) bandwidth. This inaudible sonic frequency signal sets up a dynamic field around and through the coil, pipe and water, and modifies the calcium carbonate crystal nuclei. The nuclei upon which the crystals start growing are minute in size and have charged surfaces in their natural condition within the water. When they pass through the field, these naturally charged nuclei encounter considerable forces as the field interacts with them. The field acts at the surfaces of the nuclei and modifies the nature of the electrical charges and this ionization effect thus alters the growth rate and pattern of the crystals in general and on specific planes.

Scale Reduction

It is this changed size, modified charge and crystalline shape that has the first two beneficial properties for the reduction of scale. The 2-4 micron sized crystals become non-sticky and will not coagulate or precipitate and form scale in the same way as untreated calcium carbonate nuclei would. This process is so effective that the water has been found to feel and behave like chemically softened water. The presence of the large crystalline shapes disrupts the equilibrium between the fluid and any existing scale. Smaller particles in general, dissolve more easily, so the larger particles will have reduced the levels of calcite in solution. Hence, existing scale deposited by precipitation will soften and gradually be absorbed into solution and flow out of the system. In areas of still water, e.g. tanks etc., the soft scale would settle to the bottom and could then be removed simply by flushing. It has been established that the physiochemical process already described is more efficient because the signal energy is dynamically changing. By changing the signal field at high audio frequencies, unique to Baron, the energy imparted to the nuclei is considerably accelerated. The crystal intra molecular structure is rapidly broken down and the occurrence causes a fast dissolution of any existing scale forming molecules. An important property of JALDOOT processed water is that the charged crystalline shape growth will remain in that State for up to 7 days. Thus in stored water systems the effect is much longer lasting than other ionizations methods, Retarding the reversion back to the smaller nuclei structures that are readily precipitated.

Our Skill-Set Includes:

- Easy To Install
- Longer Life
- Low Consumption
- Easy To Install- No Special Skills Needed.
- No Maintenance – Set It & Forget It.

Technical Specifications

Supply voltage:	110-240V, 50/60 Hz
Power consumption:	5 Watt to 25 Watt
Application Voltage:	12 V DC
Coil cable:	1 mm ² /20AWG, Blue Maximum
	Coil Temperature: 176 F (80 C)
Capable Of Driving :	2 Coils Double Layer
Maximum Enclosure	149 °f (60°c) Minimum Enclosure
Temperature:	Temperature : 14°f(10°c)

Benefits

With Jaldoot Water Conditioner

- Maintenance - free
- Eco-friendly solution against scale problems
- No chemicals, No Salts & additives
- Suitable for pipe diameters from 1" up to 20" or 6" (ask to nitin sir about model)
- No backwashing.
- No moving parts
- Easy installation, No replacement
- Movable Product (Take it with you when you want)
- Our Product model represents on varied Work:
Effective on CPVC, RPVC, UPVC, & HOPE COPPER, BRASS, SS 304, & SS 316.

Hard Water Problems?

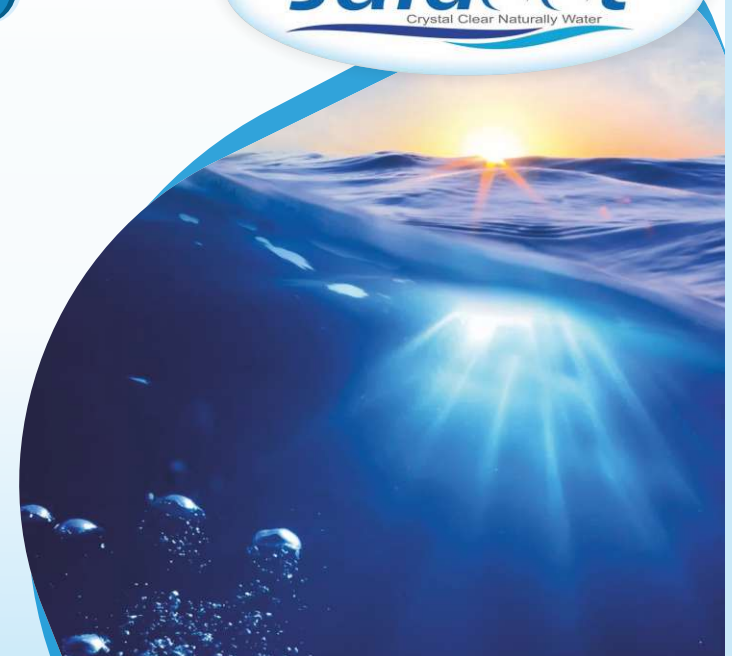
High warranty costs
Costly down-time
Higher cleaning agent costs
Shower & Plumbing blockages
Reduced efficiency
Higher energy costs
Premature & unexpected failure
Higher maintenance
More time cleaning

THE RESULTS

- Softer, Better Water
- Reduced hard water problems!
- Investment in capital equipment is protected!
- Reduced scaling and corrosion issues!
- Soaps, detergents and shampoos mix and lather better with softer water!
- Laundry items feel softer!
- Swimming pool water is clearer, softer, backwashing is reduced, and scum lines are more easily cleaned away,
- Salt water chlorinator's work more effectively, there is no scale build up, black spot disappears and chemical usage is reduced.
- Water with a lower surface tension is more easily absorbed into the ground, reducing
- Surface crust and runoff improving plant and crop health.
- Able to irrigate with brackish water



JaldootTM
Crystal Clear Naturally Water



HARD WATER PROBLEMS

- From fouling of cooling towers and clogging of water pipes to scaling of coffee pots, dishwashers, drill heads, ice machines, heater exchangers, washing machines and water heaters.
- Most companies just build the extra maintenance required to clean the scale off into their schedules.
- Added expense of the shortened life span of the equipment.



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

- Eco friendly hard treatment, no chemicals & no salts.
- Prevents calcium carbonate scaling. Over time existing scaling is dissolved.
- Stops the deposition of salt and in all cases brings it back to solution.
- No blocking of vacuum pumps.
- Inhibits the formation of algae & inhibits the growth of bio - film.
- Reduces iron staining problems.
- Reduces - Blue Water Syndrome problems, operating costs, down time, maintenance cost, carbon footprint.
- Improves health & safety issues by reducing chemical usage.
- Productivity increase due to the reduction of lime incrustations.
- Inexpensive installation without interruption of the production process.
- Spend less on machinery maintenance.
- Easy cleaning & no need to apply acids in cooling towers.
- Reduces chemical use in many areas.
- Maximum working life of expensive production equipment.
- More reliable water supply.
- Maximum working life of commercial machinery and equipment.
- Reduction of harmful bacteria and biofilm.
- Less time and effort spent on cleaning.
- Food and beverages keep their natural taste. Savings due to more efficient use of energy for heating water.



1. DOMESTIC APPLICATIONS

HARD WATER PROBLEMS

- Itchy skin when you get out of the shower?
- Dry, hard to manage hair?
- Spots on your glassware even when you use a rinse aid in the dishwasher?
- Dirty scum inside your water kettle?
- Cloudy marks on your shower screen no matter how much you clean it?
- Scaly stuff on your shower head?



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

- Kitchen and Bathroom surfaces will be kept cleaner and therefore will be easier to clean.
- Reduce your detergent in washing machines and dish washers
- Cold water cleans as effectively as hot water, so your washing will be cleaner and softer.
- You will save money using less detergent and not using hot water,
- Eco friendly system without chemicals or salts.
- Heating elements in hot water systems, dishwashers and washing machines will be protected against scale build up which will improve their efficiency and save your money.
- Problems with blue water syndrome or blue green water will be reduced, extending the life of your copper pipes.
- After you have showered you will notice that your skin and hair will feel softer.
(You feel fresh and soft water after get showered)
- Household appliances and piping will be protected against hard water problems.
- Evaporative air conditioners will work more efficiently and effectively.
- Your gardens will benefit using less water. Garden systems and sprinkles stay clean and last longer.
- Less spotting on your car when you wash it.
- Scale in your water heater will gradually go away – this will decrease your energy bill.
- Important minerals remain in the water.
- Less time and effort spent on repairs and maintenance at your home, e.g. : water heaters, washing machines etc.
- Reduction of harmful bacteria and biofilm.



APPLICATIONS AREAS:

Bungalow
Buildings
Apartments
Societies

Golf Courses
Fitness Club
Residences
Condominiums & Large Buildings



2. AGRICULTURE, HORTICULTURE – FLORICULTURE & IRRIGATION

HARD WATER PROBLEMS

- Plants in soils that are irrigated with hard water means the salt in soil stops crops from growing as well as they could.
- Hard Water from a bore well typically has very high surface tension. This inhibits the ability of the water to be taken up into the plant stem and absorbed into cell structure. It is water that supports the stems and keeps them firm and straight and if it is not well absorbed then the plant quickly becomes dehydrated and wilts.



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

- Salt, iron and other minerals will be kept in solution so they don't crust and damage plants & equipment.
- Irrigate with a softer wetter water.
- Less water is lost to evaporation as water is absorbed into the ground more easily.
- Water will then be more easily taken up by plants.
- Greater feeder roots have been reported.
- Pipe and sprinkler nozzles will be protected from lime scale deposits.
- Jaldoot Water Conditioner makes a static mixer, so you get a great water for mixing fertilizer.
- Cut flowers last longer.
- Enables all plant stock to experience full growth for maximum quality means the irrigation system will operate at full capacity without the inhibition of scale. This means the grower can lower his maintenance costs and increase his stock prices.
- Reduction of harmful bacteria and biofilm.
- Reduction of maintenance on irrigation systems and water tapping.



APPLICATIONS AREAS:

Plants
Livestock
Irrigation Systems

Machinery
And many more



3. Poultry Farming

HARD WATER PROBLEMS

Well water or bore-hole water usually contain high levels of calcium carbonate as can areas where there are high TDS. This can cause a build-up of lime scale in pipes, boilers, chillers, thermostats, elements and fittings on hatchery machines. Lime scale build-up can prevent such equipment from working efficiently and result in the frequent breakdown of equipment and loss of production.



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

- It cleans the Nipple, Drinker, and Sprinkler & Spray by removing scaling on it.
- It do not allow to deposit the scale by cleaning the drinking cone and cooling panel.
- It increases the effectiveness of medicines given through water which nourishes birds better.
- It increases the life instruments related to water (water heaters, boilers, & cooling pad) in poultry.
- Pure form of calcium in water helps to increase the weight of birds.
- Increase the thickness of egg over and help to reduce the loss.
- Avoids bad effects of chlorine in water on birds.
- You can easily recover the cost of machine through increased production.
- Reduces the infection and diseases through water.
- Birds will get benefits by improvements.



4. Dairy Farming

HARD WATER PROBLEMS

- Well water or bore-hole water usually contain high levels of calcium carbonate as can areas where there are high TDS. This can cause a build-up of lime scale barn, milking parlor and house, has substantially reduced scaling problems.
- Lime scale build-up can prevent such equipment from working efficiently and result in the frequent breakdown of equipment and loss of production.



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

- Jaldoot Water Conditioner system, which is treating the water supply from the well to the barn, milking parlor and house, has substantially reduced scaling problems.
- Improves the taste of water especially if hydrogen sulfide or chlorine is in the water delivery system.
- Improves minerals contain of water and benefits to animals health.
- Saves equipment replacement and repair cost and improve profit – loss performance to entire operation.
- Reduce overall dairy maintenance.



5. SWIMMING POOLS

HARD WATER PROBLEMS

- Spending too much on chemicals?
- Trouble keeping your pool clean?
- Problems with stains and marks?
- Constantly replacing parts?



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

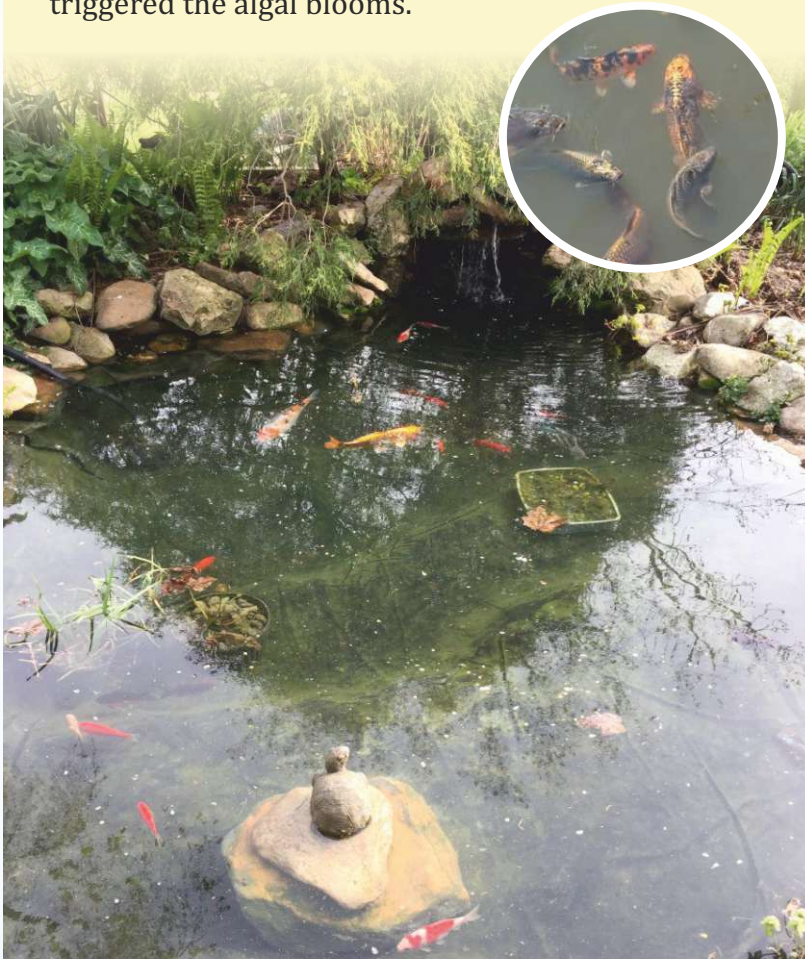
- Swimmers will be swimming in less chemicals and softer water.
- Use of less pool chemicals and maintain better results – saving time & money.
- The pool system pipes, pumps, heating elements, filter, and salt water chlorinator will run more efficiently and have a much longer life – this not only saves you time and money swimming pool.
- No more unsightly scale marks on the waterline.
- Paintwork and tiles will need less cleaning and maintenance.
- More time to actually enjoy your pool rather testing & cleaning.



6. GOLF COURSE & FISH PONDS

HARD WATER PROBLEMS

Chocking of ponds with red and green algae that was the result of run – off from the greens and fairways that were fed with fertilizers. These fertilizers increased levels of nitrogen and phosphates in the water which then triggered the algal blooms.



SOFT WATER BENEFITS WITH JALDOOT WATER CONDITIONER

By treating the water in this process it disassociates the chemical bonds of the heavily mineralized water. This in turn removes the nutrients the algae feeds on and the algae dies – quickly. The algae is then removed from the pond and the true beauty of the natural clean water soon returns.

Effectively reduce harmful substances in the water.
Control and stabilize water condition.

Establish good water quality environment.
Stabilize water condition.



7. COMMERCIAL & INDUSTRIAL APPLICATIONS

APPLICATIONS AREAS:

Hospitals
Aluminum Industry
Chemical manufacturing
Lumber Industry
Car Industry
Rubber Production

Cooling Towers
Heat Exchangers
Food production
Maritime and Cargo Industry
Textile Industry
Refineries

Injection Molding
Printing Industry
Hotels and resorts
Waste Water Treatment
RO Plant (Reverse Osmosis Plant)
Restaurants and cafes
And Many More

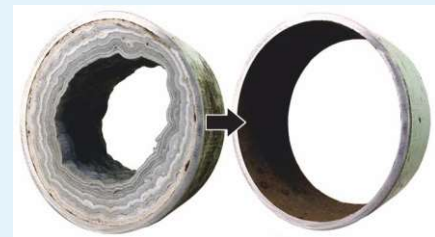
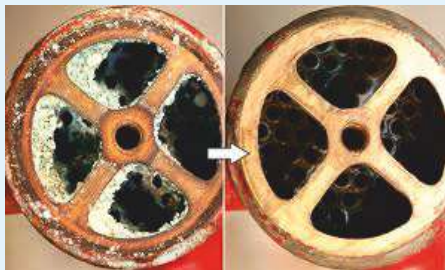
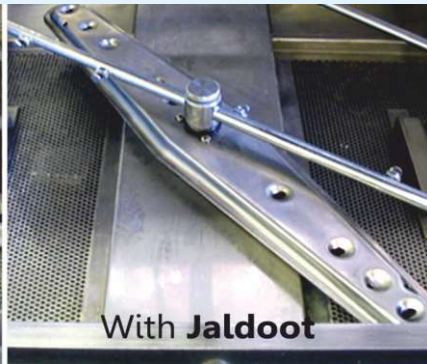


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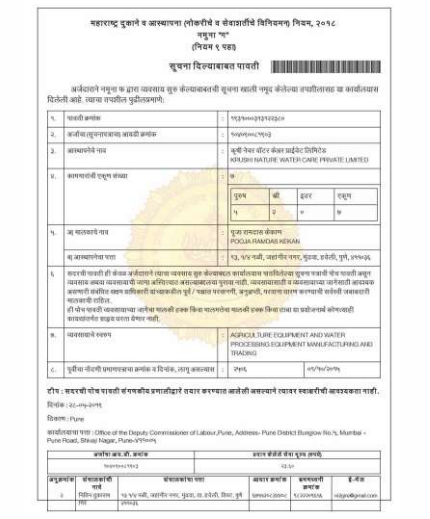
JVC for RO Plant



Before / After



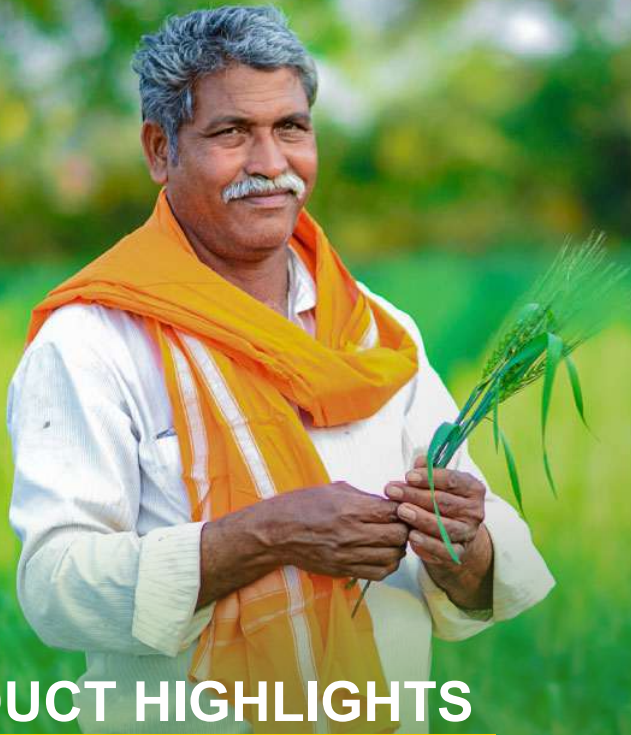
Certification



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Say No To Chemical Farming. Go Organic!



PRODUCT HIGHLIGHTS



100% ECO-FRIENDLY



**SOLAR POWERED CLEAN
ENERGY PRODUCT**



**NO CHEMICALS
NO HARMFUL
PESTICIDES**



**EASY INSTALLATION
NO MAINTENANCE**



EXCELLENT RETURNS

50% savings in manpower
50% cost saving in the use
of pesticides and insecticides.



SOLAR INSECT KILLER

- Fully automatic
- No external power required
- Captures and kills all positively phototropic flying insects
- Effective up to 2.5 acres
- Works for 4 hours after sunset killing a majority of enemy insects
- Installed with positive results in almost all vegetables and fruits



SOLAR INSECT TRAP

- Fully automatic
- No external power required
- Captures and kills all positively phototropic flying insects
- Effective up to 0.5 acres
- Works for 3 hours after sunset killing a majority of enemy Insects
- Installed with positive results in almost all vegetables and fruits
- Best In the Class product

PRODUCT COMPOSITION

Sr.No.	Item	BuzzZap Solar Trap
1.	Operation Method	DC generated by solar panel
2.	Trapping System	- Light if requirement attachment - Trapping Net
3.	Capacity of solar panel	-18w High inefficiency poly crystalline solar cells - 350 mm X 395 mm - cloudy : 40 %charge
4.	Lamp	- Fluorescent Lamp (Blue & Purple Light Colour) - 6watts - Special purpose
5.	Electric consumption /Hour	- Rated consumption 15 watt- - Stand by consumption 7 watt
6.	Controller & Battery	- Battery over charge protection, - Battery deep discharge protection. - Low battery protection. - Rain protection.
7.	Battery	- 7.2 Ah 12v SMF - Battery 1 Year Warranty
8.	Weight & package	- Weight(net) : 15 kg - BOX packing : easy delivery
9.	Assembly & keeping	- Easy assembly by user at the field - Easy moving, disassembly, keeping, etc.
10.	Working Time	- After Sunset 3 to 4 Hour 365 days / Per Year
11.	Design	- Specially designed for Indian climate conditions
12.	Life & Service	- 10 Years With proper care - Easily Available service.

WORKING

The most popular theories holds that positively photo tactic insects are drawn to lights because they act like a navigational guide. Many insects find their way by keeping a natural light source, such as the Sun or the Moon, at a constant angle.

Using the same principle we designed a UV light with a frequency that attracts more than 1800 different flying insects.

The insects tend to cross the electric wire mesh around the UV light and get electrocuted With the use of Solar PV panel to charge the battery Inside The BuzzZap a high tech electronic high voltage circuit is used for functioning of the system.

MULTIFUNCTION SOFTWARE

Auto ON/OFF Rain protection
Battery over charging protection
Low Battery Protection
Anti theft protection

EASY INSTALLATION.

Push the pipe in the ground, 1 foot below
Place the main box on the pipe.
Adjust the height.
Push the start button and FORGET IT.

- BuzzZap Is one the most innovative product that we have developed.
- BuzzZap Is Made in India with 100% in-house R&D.
- Successful installations in different parts of India in different vegetable and fruit gardens, tea estates, poultry farms etc with great results.
- We export 8uzzZap to many countries like France, Philippines, Maldives etc
- We are able to demonstrate a reduction in the use of chemical spray to more than 50%".





Thank You