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MAGNETIC WATER TREATMENT CAN SOLVE WATER RELATED PROBLEMS

With the current dry conditions in our area, it is a good time to look to our water and ways by which we can improve both the quality and extend the usage of our existing supplies.

The writer has found from his own experience and research, information which is not only of great interest, but can be of even greater benefit to those suffering problems with this vital commodity.

The idea of magnetic water treatment is not new, as an Englishman, William Benedict Bull, took out a patent for preventing and removing scale (calcium) deposits in 1890.

However, it was not until the 1960s that a Melbourne engineer named Bob Rigby found magnetic water treatment also had dramatic effects on algae, bacteria and fungi, controlling growth and multiplication.

After much research and testing a new unit was designed, using the most modern techniques, and this unit was named an "Algarid Magnetic Water Stabilizer."

The unit has been so successful it has won Federal and State awards for the product and has patents in Australia, the USA, South Africa, Japan, The Philippines, Great Britain and New Zealand and exports products and technology to these countries as well as Germany, Israel, Botswana and other countries.

HOW DOES IT WORK?

First of all, it must be understood that algae, bacteria and fungus are all living things, requiring food the same as you and I. They also require a balanced diet. All living things require a list of 14 essential nutrients (some biologists claim 23 nutrients) such as nitrogen, phosphorus, potassium manganese, boron, etc. If any one of these essential nutrients is missing from their diet they will die, and certainly they will not multiply (trace element deficiency).

The magnetic field in the "Algarid" acts as a catalyst, combining one or more of the essential nutrients into a molecule which cannot then be assimilated by the organism, thus effectively creating a trace element deficiency.

Which elements are being affected is not known at this time (despite much research) as the quantities involved are so small it is practically impossible to measure them accurately.

However, work it certainly does, as results speak for themselves, and can be attested to by thousands of people, not only in Australia, but all over the world, from small farmers to large overseas organisations and scientific researchers, who confirm that this is no "gimmick" and only requires someone with a need and a modest commitment by today's standards, to improve their vital water supplies.

Up to recent times, we have heard little about this in Queensland, as most early applications have been confined to the cities, particularly Melbourne, and to the development of the enormous export potential.

In Melbourne, it has proved a huge success in swimming pools, fountains and industrial uses, and installations include most of the city's main hospitals, like Royal Melbourne, St. Vincent's, the Mercy and many others. Some other users include Carlton and United Breweries, the RAAF, Commonwealth Serum and other laboratories, etc.

There is now a rapid spread to rural use in Australia and although great results are being obtained everywhere there has not been much research done in rural areas of this country. However, there are plenty of reports from all over the world, indicating there is research going on elsewhere on rural applications and developments.

ADVANTAGES OF USE

Easily installed in any water supply, bore, river, town, etc, and there are no running costs, no chemicals, no electricity and no maintenance required.

It reduces or eliminates scale.

It controls algae, slime and bacteria, stains, smells and blockages.

It improves water quality, clarity, taste, soap lather, and aids filtration and sedimentation.,

It is ideal for farms, dairies, households, horticulture, irrigation, industrial use, swimming pools, laboratories, processing equipment etc., and wherever there is a problem with algal and bacterial slime.

In swimming pools, it greatly reduces the use of costly chemicals and in cooling towers used in air-conditioning and commercial refrigeration; it eliminates the need for chemicals entirely, with great savings also on maintenance.

The natural scepticism of scientists and public alike is wearing thin, as reports are constantly coming in from all over the world of new applications, experiments and scientific testing, and there are some quite astounding facts and observations being recorded, among which are:

- Increased yields in agriculture, horticulture, dairying and meat industries.
- From Israel: There are recorded results from field experiments and commercial installations of large increases in yields of vegetables, fruits, crops, eggs, meat output, together with a saving on fertilizer and food, because of improved food conversion factor. They also report an increase of 2 litres of milk per cow per day.
- From Russia: Government field trials record that grain crops irrigated with magnetized water have yielded 20 per cent more grain than conventional fields. Seed potatoes treated in a magnetic field yielded an additional five tonnes of potatoes per hectare. The harvests of maize, alfalfa and vegetables have also increased.
- Other reported benefits: The Israelis report the magnetically treated water dissolves existing scale deposits and stops the build up of new deposits on water piping, equipment and components.

The treated water has a dramatic effect on plants and livestock, the common phenomenon being a noticeable improvement in vitality, fertility, growth rate, yield, food conversion factor and fertilizer utilization.

The Russians also state that analysis shows magnetized water improves the fertility of soil and brings down the soil salinity level.

For both Israel and Russia these results, though installation and tests were carried out by scientists, are not yet conclusive enough to meet scientific needs, but they do agree that further research is mandatory, with the object being to see whether it is feasible to introduce magnetized water to all irrigated areas in the country.

They also agree that the results are there and that the incomes of the farmers involved have increased by from 5 per cent to 25 per cent (the exact income of course depending on farm size, marginal profit on the produce, loan interest rates, etc.)

GENERALLY

On the farm:

- It maintains the quality of stored water, there is less cleaning of stock troughs, less staining by iron on dairy walls and stainless steel, higher production of milk claimed by many farmers (up to 2 litres of milk per cow per day extra) as the cows apparently prefer the treated water and drink more.
- Leaf burn reduced on plants after watering (some nurseries report up to 40 per cent increase in root and leaf development),
- Less water-spotting when cleaning cars and trucks.
- Less maintenance on filters, hydroponics, micro-irrigation, etc.
- In irrigation, reports from America show extension of water usage, through being able to use existing water (treated through Algarid) in growing crops not possible before, greater water penetration and a certain "cleaning" action on the soil, with resulting reduction in salinity and increase in fertility.

HOUSEHOLD/DOMESTIC USE

The water clarity is much improved - soap lathers better and detergents go further; stains in toilets, baths and basins much reduced; shower blockages eliminated; water washes better, seems softer on clothes, skin and hair; longer life for clothes and components of household appliances; reduced maintenance on hot water systems and other appliances.

"The Algarid is not claimed to work miracles, but it seems like that to the writer, who has struggled for years to produce top quality vegetables, herbs and gardens with "Hard" Bore Water, until his researches revealed this system of water improvement.

We now have the best garden for this time of year (despite one of the coldest winters in memory) that we have grown anywhere, and many irritating, labour intensive and sometimes costly domestic problems with the water are solved."