

Magnetic treatment of bees

Varroatosis and its treatment

Diseases of insects can be serious as those in humans. One of the most common is Varroatosis in bees. We address not only treatment of the disease but the use of integrated measures aimed at maintaining the hives in a healthy and active state.

Every beekeeper knows that preservation of a bee colony takes a lot of time and effort. It is important to not only to look after cells, but also to prevent the spread of dangerous diseases that can lead to disastrous consequences which can completely destroy the hive.

Bee Varroatosis can do just that, it is caused by a parasite Varroa destructor which affects larva, pupa and adult honey bees, inhibiting normal growth, development and functioning of the body.



This causes various defects in insects, some even do not form legs. This disease needs to be seriously addressed.

In order to diagnose, it is necessary to examine the hive. It can be done by examining a randomly selected number of bees in special plastic boxes or ordinary jars.

Infected bees will have brown oval formations on the abdomen, at the base of the wings and on the cephalothorax. Similar dark spots can be observed by examining pupa in a cross section of honeycomb. Whereas removable hive pallets will have such which are a female tick itself

without a carrier. Therefore monitoring health of a bee family is extremely important as it is where treatment of Varroaosis starts.



The disease develops sequentially in 3 stages:

Stage 1: when infected 0.5% of the total number of bees in the hive. Family life at this stage is not different than normal.

Stage 2: affecting up to 20% of bees, leading to a weakening of a family life and activity.

Stage 3: more than 20% of bees are infected and begin to leave their hive.

Treatment of varroaosis can start in the spring, summer or fall and can involve chemical, physical (the most labor-intensive) and zootechnical. Using chemical method is effective and very simple, it involves treatment of bees with acaricides that kill harmful ticks.

Common types are: Apifid, Apistan, Fumisan, Akarasan, formic acid, Amitai, Varroatin, Dilabik, Bipin, Peritsin, thymol, etc. It can be sold in powder or solid form.

Physical measures include overheating of bees and the use of magnetic gates or magnetic notches. This has been repeatedly done by the author and had always received great reviews from beekeepers as it would increase quantities of harvested honey and improve its taste. Also it is important to install special magnetic drinking stations which are simply

containers with magnetic water. According to many client reviews, bee behavior changes and given a choice they will go to a magnetized water source as opposed to the one with ordinary water.

Whereas zootechnical method involves extraction of the infection source to prevent further spread, followed by systematic examination of bee colonies.

Archive

Application of magnetic technologies in agriculture

1. In 1983-1984 government carried out a set of agricultural studies in Saratov, Volgograd, Astrakhan, Krasnodar and Stavropol, which involved using magnetized water for crop irrigation. A permanent magnet, AMOV – 3, was used. It resulted in average yield increase of 12.2% relative to the control group. Yield increase using magnetic devices for water treatment was 26.5% and required water consumption reduced by half.
2. Volga Research Institute of selection and seed production. In 1985, pre-sowing seed treatment reduced disease of plant stems by 68%.
3. Department of Agriculture Pohvistnevskogo executive committee. In 1984 conducted a test of seed treatment prior to sowing and obtained the following results:
 - Barley, area of 2,368 hectares - increase of 1.6 t/ha
 - Wheat, area 687 hectares – increase of 1.3 t/ha
 - Oats, area 200 hectares – increase of 1.3 t/ha
 - Soaking sugar beet seeds in magnetized water increased germination by 42%.
4. Winery 'Zaporozhye', Krasnodar region. In 1985, grapes "Rkatsiteli" were irrigated using magnetic water (tree times) on an area of 9.6 hectares. This has resulted in a yield increase of 7.4 t/ha.

5. Ukrainian Agricultural Academy. In 1983, used fivefold magnetized irrigation water of medicinal plants and obtained the following yield increase:
 - Chinese magnolia - 36%;
 - Ginseng root- 31%
6. Training and research farm of Moscow State University in Chashnikovo village. Studies took place from 1981 - 1983 using magnetized water for irrigation of feed crops. The following increase in green mass was obtained:
 - Beet - 21%;
 - Corn - 31%;
 - Sunflower - 21%.
7. State Farm Kuban Krasnodar region. Irrigation of land using mineral enriched waters from a local river have led to formation of salt incrustations on the surface. Whereas no such formations were recorded on land where magnetic devices were used, desalination effect was 300-400%.
8. Novokubansky and Novopokrovskiy district of Krasnodar region. Irrigation of sugar beets using magnetized water has increased yield by 1% and increased weight and dimensions of the roots. Also vegetation period reduced by 3-4 days in feed crop and 5-6 days in rice.
9. Advance germination and subsequent development phases after magnetization of seeds occurs before earing phase, after which the development of the control plants leveled. Pre-sowing magnetization increased leaf surface by 32.1% in barley, millet by 20.3%,. It also increased chlorophyll content in barley by 8.6% and in millet by 32%. On average, between 1981-1983, pre-sowing magnetization increased yield of spring barley by 5.4 kg / ha, and millet by 5.1 t /ha with a simultaneous increase in the protein content of barley grain by 3.0% and millet by 1.5%. More substantial increase of protein in grain observed during slight increase of the relative yields. When there was no increase in the mass of yield, there was still an increase in nutrient levels of the yield. (DS / agricultural sciences. V.Orlov).

10. 'Sumski 'Agricultural Institute. In 1982 - 1988 h (.A.Belsky) a study was conducted on the use of magnetic devices in production of cherry juice. As a result, magnetically produced juice had better taste, better sugar to acid ratio and longer shelf life. It also acquired health benefits, i.e. 5-6 kg of magnetized cherry juice, taken for three weeks on an empty stomach, activated digestive enzymes and enhanced build muscle mass function by 15-20%, increased exchange of CO₂ in the lungs.

Using magnetic devices for growing of seedlings had the following results:

- Magnetized seeds of apple and cherry germinated on the 9th day, and control – 31st day
- After the appearance of the fourth leaf and secondary root,
- Magnetized plants had total height of 46 cm, and control - 18 cm.
- Increased water retention
- Increased concentration of cell sap and sugar by 27.8%, which made it possible to zaokulirovat magnetized plants in the same year, and control- only in the following year.
- Standard and the number of apple seedling material increased by 3 times, and it could be okulirovat in the year of sowing.

Memory of magnetization in plant cells of seedlings remains throughout the growing season – according to scientists from Sumski Agricultural Institute. The roots of the first order, emerging from the main root, align parallel to the magnetic field of the Earth: South - North and fibrous – absorbing system actively grows in the direction of East to West. According to law of morphological parallelism, in fruit plants thickening of the crown or the appearance of the first branch starts from the east or west sides of the stem. The obtained results confirmed purposeful placement of rows in the gardens of the magnetic meridian South -North. Coherence of energy potential of trees do not allow branches of trees to intertwine and break during mechanical interference. When placing trees of different varieties in the same order branches become intertwined. Thus, only plants of the same type are able to be mutually stability.

Replanting of seedlings to another place with the orientation in the magnetic meridian gives 100% survival rate, which again confirms the mandatory incorporation of orientation as in magnetic field of the Earth and between seedlings.

11. Novocherkassk. In 1984, field tested watering tomatoes using magnetized water. Magnetic devices were installed on sprinkler DDA-100M. As a result, tomato yield increased by 57 kg / ha, number of fruit per bush by 1 - 2.2 pc and number of mature fruits by 31 pcs/bush, dry matter content in the fruit increased by 0.1%.
12. Don Experimental Station of oilseed crops in 1984 conducted experiments on the preliminary treatment of sunflower seeds in a magnetic device. Increase in yield was 4.3 kg / ha, plant density increased by 68%.
13. Don Experimental Station of oilseed crops in 1984 conducted experiments on the preliminary treatment of sunflower seeds in magnitotrone. Increase in yield was 4.3 kg / ha, plant density increased by 68%. D.s.h.n. D.Belentsev.
14. Volga Research Institute of Hydraulic Engineering and Land Reclamation. Since 1971 studies were carried out using magnetic water for irrigation. This has resulted in the appearance of wheat seedlings 3 days earlier than usual and speeding up of other phases of plant development. Magnetic treatment transforms mineral fertilizers into a more absorbable form.
15. Azerbaijan Research Institute of Hydraulic Engineering and Land Reclamation. When watering plots with sea water (14 mg / l of salts) after magnetic treatment the yield of tomatoes increased by 46.6%, the green mass of sorghum by 19.4%. When watering using fresh magnetized water the effect was not as significant, although quite evident i.e. yield increase of tomato was 11.4% and of sorghum was 10.4%.
16. Agro-physical Research Institute, Saint Petersburg. Using systems with permanent magnets for a purpose of desalination of alkaline soils, increase in coefficient of filtration, depending on the type of soil, was 20% to 2 times. In 1980-1984, the state farms in the Leningrad region of more than 3 hectares were tested by pre-sowing magnetization of potatoes. The average yield increase was 4.18 t / ha or 23.8% whereas in other experiments increase was

35%. Also agricultural tests were conducted using pre-planted magnetization of carrot seeds, beets, radishes, cabbage, cotton, sugar beet, and others. The analysis of the experiments showed a yield increase of up to 30% while dramatically reducing the timing of maturation and improvement in quality.

17. Kuban Agricultural Institute. Head of Department of Hydraulics and Rural Water Supply Ph.D., assistant professor Y. Skobeltsin studied changes in the viscosity of tap water in Krasnodar, Russia. This was done by magnetizing water using a magnetic induction at the center of the working gap $50 + 10 \text{ mTl}$. The evaluation of results took place in droppers "UZGIPROVODHOZ-2" and "VODOPOLIMER-3". Analysis of the results showed a clear increase in fluidity of magnetized water compared to non-magnetized water by average of 30%. Increased flow and consequently increased efficiency of pipelines have been linked to a decrease in the viscosity of magnetic water and normalization of its structure.

Effect of magnetic water on growth and development of sunflowers, soy and mustard plants.

Scientific and technical staff

All-Union Scientific Research Institute of oilseeds,
1985, vol. 11 (89) Krasnodar

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In recent years methods of magnetic and electro-physical stimulation on plants and seeds are becoming increasingly popular. Many researchers have observed that water under the influence of the magnetic field changes its physical and chemical properties:

viscosity, density, dielectric permittivity, electrical conductivity and surface tension. Solubility of oxygen in magnetized water changes, which ultimately leads to increase of its biological activity when interacting with the living objects.

Magnetic fields increase elasticity of the cell membrane, which promotes faster germination. The effect of the magnetic field on passing thorough it water is expressed in its activation by increasing the number mono-molecules (V.V. Pilyugina, 1979; FYa. Polikarpova, V.V. Pilyugina, 1979; P. Penchev, 1978). Although physical, chemical and biological

characteristics of magnetic water have not yet been fully identified, having the ability to increase the permeability of cell membranes opens up great opportunities for experimentation and subsequent practical use in agriculture.

An important feature of the use of magnetic water is its simplicity, accessibility, efficiency (especially when using magnetic devices with permanent magnetic fields).

The ability to magitically treat water used for irrigation purposes, opens up a lot of usage possibilities. Given the positive effect irrigation using magnetized water has on development and productivity of many agricultural crops, studies were carried out at the department of artificial climate in Krasnodar, Russia. Irrigation with magnetic water of mustard plants grown in climatic chambers, contribute to more productive plants with high coefficient of reproduction.

The table below shows that mustard plants irrigated by magnetized water throughout the growing season, had 1.5 times more branches formed, higher weight and 2.5 g more of seeds in comparison with to control plants, which were irrigated using tap water.

Experiment of using magnetic water for irrigation of Rice (1984)
Center of scientific and technical information and propaganda,
Krasnodar, 1985

In order to study the effect of magnetic water on rice yield (Spalchik), one part of land was irrigated using magnetically treated water. Seeding date - May 10, predecessor - perennial grasses.

A magnetic device MM 40x180-40 was used to magnetize water (magnetic field strength 40 kA/m, overall dimensions 250h250h190 mm, productivity 200m/h).

On land irrigated with magnetized water, rice yield totaled 80.3 c / ha; compared to 70.7 kg/ha on land using ordinary water. Also vegetation period of plants irrigated by magnetic water was 5-6 day shorter.

Irrigation of rice using magnetic water had the following benefits:

- Improved grain quality
- 15% less consumption of irrigation water
- 30% decrease in use of fertilizers and herbicides, which improved environmental conditions.

APPROVED

Director of 'Naurski' Winery G.E.Petrenko

August 25, 1983

ACT

August 20, 1983.

"Naurski"

Checheningushvino, Russia

We, the undersigned, chief agronomist A. Perelyakov, head reclamation department Ospischev, brigadier Aduiev and engineer V. Perelyakov, confirm that that in the period of April - May 1983 tests were carried out on perennial grasses using magnetic water for irrigation.

Magnetic devices MM40 x 180 - 40 were installed at the suction pipe installations ДДН-70 and ДДН-100, used for irrigation of alfalfa varieties "Kizlyarskaya" second year of development, area of 90 hectares.

A neighboring control field of the same culture, area of 90 hectares, was irrigated with same systems but using ordinary water.

Irrigation of test and control areas was done under the same conditions and at the same time.

Chief agronomist A. Perelyakov

Head reclamation department Ospischev

Brigadier Aduiev

Engineer V. Perelyakov

Head of operations - professor Y.Tkachenko

Healing properties of magnetic water

Drinking magnetic water has a positive effect on the entire body. Properties of magnetic water have been studied for more than 30 years producing a lot of research and evidence.

Research shows that magnetic water and other liquids have positive overall health benefits.

The mechanism of the magnetic water works by activating cell membranes, thus increasing penetration of nutrients into cells and removing toxic substances from the cells. Magnetic fluids primarily function to remove all the toxins from the body. Toxins and accumulated chemicals in the body are the leading cause of ill health and contribute to many diseases.

Therefore, the purification of the body is very important, not only of the intestine but also of other organs and bodily parts, which can be done successfully by drinking magnetic water.

Make it a rule to drink magnetic liquids as well as magnetizing water before making tea, coffee or soup. Not only will it improve taste but will provide health benefits to the body. It is easy to make a little test, prepare tea/coffee using normal and then magnetic water and compare the taste. Magnetic beverage will have a fuller, richer aroma and a smoother taste.

What effect does magnetic water have on the body?

1. Cleansing liver and kidneys - from stones.

Magnetic water/fluids are the strongest natural stone solvents. Therefore it is used to treat gallstones, kidney stones and dental tartar. Consumption of magnetic fluids has helped many people to avoid surgery. It is also a painless process since the stone is not displaced but instead it simply dissolves.

How long does it take to remove/dissolve stones?

This depends on the size, quantity and type of stones. Small stones can dissolve or decrease in size after 1-2 months. Since drinking magnetic water has no contraindications, it is best it is consumed on a daily basis for longer period of times. Regularly drinking magnetic water even after dissolving the stones will add more benefits to your body and also prevent stones from forming.

2. Detoxification of joints and spine from toxins and salts

Magnetic water is widely used to treat osteochondrosis, spondylosis, arthritis and other related issues.

3. Clean blood vessels

The focus is on calcium salts that clog blood vessels causing sclerosis. Therefore it is important for people suffering from coronary heart diseases to regularly drink magnetic water. As well as for those who have had heart surgery and people with high cholesterol or high blood pressure. It is important to remember that magnetic water is not a medicine that works fast and then leaves the body. It is a gradual method for physiological improvement of cardiovascular system. In time you will feel better as your condition improves.

4. Healthy intestine

There is a lot of discomfort associated with slugging of the intestine. Besides the fact that constipation is unpleasant, intestinal mucosa has reflex zones which correspond to different organs of the body and as a result toxins in the intestine cause harm to the entire body. Therefore, cleaning or flushing the intestine with the help of magnetic water, either by drinking or using enemas, helps to treat constipation, diverticulitis, colitis, flatulence, as well improves overall wellbeing.

5. Removal of microbes - bacteria, fungi, viruses

These are found primarily in the gastrointestinal tract, such as ulcer causing bacteria, intestinal worms, fungi and so on.

There are five areas which should be subjected to magnetic treatment:

- liver and kidneys - from stones
- spine and joints - from salts
- blood vessels - from salts and fats
- intestines - from toxins
- body - from microbes.

It is also recommended to use magnetic water for improvement or treatment of diabetes, allergies, prostate and menopause related disorders in women.

It is better to take any medication with magnetic rather than ordinary water, as it will improve absorption and its effectiveness.

Magnetic water balances the damaged cholesterol metabolism in atherosclerosis and improves condition, it is recommended to drink not only as treatment but as prevention of atherosclerosis. It is important to

note that during magnetic treatment, physical-chemical properties change mainly in water, in which more salts are diluted.

The healing properties of magnetized water are also manifested when taking medicinal baths or magnetic showers. Studies were carried out where magnetic water was used in showers, bath and swimming pools administered to patients suffering from hypertension. Those patients using ordinary water were told it had been activated with permanent magnets where in reality it had not. However, only patients using magnetic water had shown improvements. Thus the study excluded the placebo effect, where a patient feels 'therapeutic' action based solely on psychological factors. After a course of treatment with magnetic water, most patients had no headaches, tinnitus, fatigue and no chest pain. Almost all patients had improvements in blood pressure and better night's sleep.

Magnetic water helps remove tartar, prevents parodontosis and helps in treatment of abscesses. As well as helps prevent formation of dental plaque, cleans enamel and keeps gums healthy.

Research shows improvement in the treatment of urolithiasis and various skin diseases.

Magnetic therapy helps to treat fractured bones by accelerating healing processes. Significant improvement can be achieved by using a permanent troidal ring magnet to treat the affected area.

In the early 90's in the USSR Conference on Magnetic-biology and Magnetic Therapy it was discussed in detail and positive effects were found on baths and underwater jet massage in patients with prolonged pneumonia unspecified infectious polyarthritis, rheumatoid arthritis and other joint diseases.

To help with treatment and prevention of mentioned above diseases, Magnetic Technologies Company has created specialized devices which harness Earth's magnetic fields, thus providing us with the protection created by nature itself.

All the mentioned above disease and problems that humans face in some period of their lives can be addressed and cured by using the magnetic devices for health, manufactured by company "Magnetic Technologies". The devices are manufactured from the natural magnetic energy of the Earth, and it enhances us with the protection created by nature itself.