

Experience with Thermosolar Hive™

We have got 10 years of experience with thermotherapy and working with the Thermosolar Hive™. There is also a university research that confirms high efficiency of our hive. And there are almost 100 beekeepers, who have tested our hive and have an excellent experience with Thermosolar Hive™. What is their opinion of our hive?



Prof. RNDr. Vítězslav Bičík, CSc., Palacky University

“Dr. Roman Linhart is one of my best former students who I was teaching on the Faculty of Science at Palacky University in Olomouc. Immediately after graduation and going to practice, he became a member of my research team, where he dealt mainly with issues of beekeeping. After several years of research, together with Dr. Linhart we have published work, where there is genetically substantiated methodology that prevents undesirable swarming (<http://link.springer.com/article/10.2478%2Fs117...>). This method is currently used by many beekeepers both at home and abroad. It is so successful that it completely solves the problem of unwanted swarming tendencies. Our team has also studied the biology of a very dangerous parasite of bees, Varroa destructor, for many years. We have picked up the threads of Japanese scientists who discovered that the parasite dies at higher temperatures that the bees still survive.

On the basis of many experiments, Dr. Roman Linhart constructed Thermosolar Hive, which reliably eliminates mites using only the solar energy. It was tested on Palacky University and also by many beekeepers. It has been proved that solar thermotherapy is a complete alternative to a chemical treatment, but also for thermotherapy based on an electricity. Solar heating is less labourious and complicated. It is also completely safe for the colony. Thermosolar Hive seems to be a very promising device for eliminating mites without a chemical treatment.”



Pavel Roubínek, beekeeper

“Today I am sure, that this is the future of beekeeping. Healthy, ecological, without chemicals and without the Varroa mite. Furthermore, the honey yields are with no exaggeration amazing.“



Václav Klobása, beekeeper

“I come from the beekeeping family, we keep 200 colonies. I have decided to test two Thermosolar hives in the spring 2015. I gave the treatment at the end of the summer 2015 and I confirm reaching the temperature over 40 °C right in the brood combs easily. There was no fall-out of dead mites after the treatment. Therefore I wasn't sure, whether this method worked or not. Later in the autumn, I gave the standard prescribed treatment with the chemical products. I noticed the fall-out of the dead mites in all standard hives. The Thermosolar hives were the only exception, where there was no fall-out of dead mites. Only then I grasped why that was. Thermosolar hives had exterminated mites by long-lasting moderate heating already in the summer 2015, when they had prevented reproducing of mites by slightly higher temperature, and therefore these hives were completely without parasite by the end of the summer. I confirm high flight activity of the colonies in these hives, rapid development and very high honey yield. I consider the Thermosolar hives a promising solution to the varroatosis problem.”



Ludmila Kabelová, beekeeper

“The principle of mite exterminating using thermosolar method is reliable and maximally effective at the period of bee activity. It is a revolutionary method and very simple in its principle. It excludes damaging influence of chemicals and perfectly exterminates mites on a sealed brood. When keeping the methodology, the whole treatment is simple and safe. Bees are in great condition.“



Ladislav Hojgr, beekeeper

“I got for testing two Thermosolar Hives in 2015 and I installed two colonies in August from which I still managed to extract 19 kg of high quality honey, which is not common at all in our conditions. The bees overwintered with 20 kg sugar reserves and they showed significant development already by the first checking in March. On the 8th April I gave the first spring thermosolar treatment, I opened the roof at 10 a. m. and leave the hives to direct sunlight. Outside temperature was only about 15 °C that day. Despite that the treatment was successful, which testifies the quality of the hive and its ability to treat even in less convenient conditions. I have placed a third hive on the site and I am very satisfied.“



Rostislav Michálek, beekeeper

“This is my first season of beekeeping in Thermosolar Hive, but I can confirm, that bees have noticeably faster spring development. Compared to colonies in ordinary hives there was an advantage of several weeks, almost one month.“



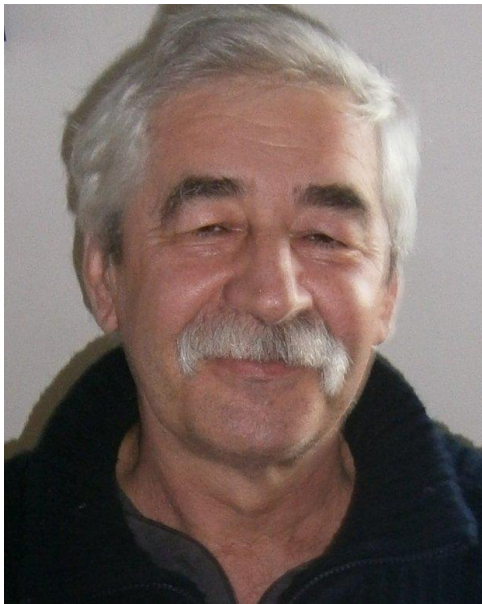
Michal Štěpán, beekeeper

“I have been testing 5 Thermosolar Hives for three years. I'm delighted because bees from Thermosolar Hives are free of Varroa mites. During winter commissional treat, which is pursued with the presence of the commissioners in our country, bees in Thermosolar hives and other hives (my and my father's) were exposed to chemical treatment. Mites fell massively of the other hives, while from the Thermosolar hives did not fall even a single mite. I give this only as an example. On the basis of on my three-year observation I am convinced of long-term absence of mites in the Thermosolar hives. I am beekeeping in conditions that are often colder than it is usual in my country. Bees in Thermosolar Hive have rapid spring development, which causes that bees are in full condition in the beginning of strong spring flow while the other colonies in ordinary hives still have to strengthen. The difference in total honey yield is approximately double.“



Klaus Wenderoth, beekeeper

„In the beginning of April 2016 my first Thermosolar Hive was delivered to me. Quality of the hive is absolutely superb in every detail, even for our high German standard.“



Josef Škaryd, beekeeper

“I have verified that thermotherapy is highly effective at killing the parasite Varroa destructor. Therefore, I want to say that this hive can be recommended to all who have the ability to place beehives in a sunny area.“



Michaela Říhová, beekeeper, Biology D., Palacky University

“In my diploma thesis, I examined the ability of the Thermosolar Hive to reach temperatures above 40 ° C and the effect of the temperature on the Varroa mite. The results of my work clearly demonstrated that the Thermosolar Hive can warm the brood colonies over 40 ° C in normal conditions and the subsequent very high fallout of light coloured mites proves that this temperature reliably exterminates individuals, which are in sealed brood during the treatment. As a beekeeper, I appreciate this technology very much because the bees behave naturally during the treatment and without any signs of stress. I hope that the current need to use chemical treatments will completely disappear in the future.”



Tereza Sviderská, student of Biology, Palacky University

“Over a year, I dealt with the topic of my diploma thesis, which was focused on finding an ability of Thermosolar Hive to long-term temperature increase in the hive space and by this to support the development of bee colonies. From the data that I have received for more than a year of continuous measurements and comparison with conventional insulated and thin-walled hives I can confirm that Thermosolar Hive is able to increase the temperature very significantly inside the hive all year round. This particularly supports spring development and helps bees overwintering.”



Jiří Horák, vice mayor of municipality

“In my city and its surroundings, there are many beekeepers, who we try to support. When I encountered a Thermosolar Hive I was fascinated. Its effect on Varroa mite fight is amazing but this must be judged by beekeepers themselves. Personally I was interested in the possibility of getting rid of using chemicals inside the hive and obtain healthier honey. My priority is to consume healthy food and I am trying to support this trend, so I am happy for this invention, which sets a new standard of organic/bio honey.”



Stanislav Poskočil, beekeeper

“The method of using Thermosolar Hive seems to be suitable for beekeepers with a few colonies, as well as for larger breeds. I read about the effect of higher temperature on the Varroa mite extermination at the time of its first occurrence in our country in the 1980s. At that time, researchers tried to expose bees to higher temperatures, allegedly with good results. Now, I am convinced that the thermotherapy, even made in another way, is actually extremely effective.”



Milan Beránek, beekeeper

“I was pleasantly surprised by the efficiency of the thermotherapy. Bee brood tolerated higher temperatures with no problems. I was also fascinated by subsequent fall-out of mites, even the young light ones which had not managed to develop under the brood cap yet. This shows that thermotherapy destroys all mites under the caps, which is hardly achieved by most of chemical drugs.”



Jaroslav Herian, beekeeper

“I can confirm that Thermosolar Hive is able to reach treatment temperature in greatly inconvenient conditions and can keep the reached temperature for a long time. My bees responded well to the thermotherapy and I have noticed no harm to brood, bees or queen. The subsequent fall-out of mites shows that the thermotherapy replaces currently used chemical treatment without any problems.”