

# Technology Tips For Beekeepers

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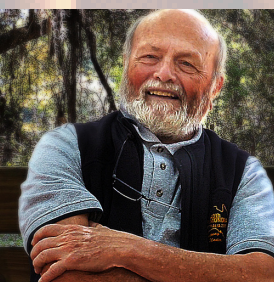
MyApiary is a productivity software for commercial beekeepers. We provide business support, helping beekeepers run successful businesses, not just keep bees. Beekeepers now need to pollinate more crops and manage the health of more beehives than ever before. Information management is a critical component for successful business operators in today's demanding farming environment. We have found there is a direct connection between good business management and bee colony health. Through partnering with the industry, MyApiary has custom-built and refined a software management platform specifically for commercial beekeepers. MyApiary's platform now facilitates behavioural change in many beekeeping operations, improving organizational communication and increasing productivity by helping beekeepers make informed data-driven decisions, enabling beekeepers to run effective, sustainable business, ensuring the future of our global food production ecosystem. Our tools bring record-keeping, forward planning, asset management, and cost monitoring into one easy-to-use app. Our goal is to see commercial beekeeping companies reach their pinnacle of success by reducing business risk and maximizing financial returns. So, put our expertise to work in your business. We look forward to working with you and many industry participants as they become a part of the MyApiary ecosystem. 15 minutes, <https://tinyurl.com/bdjznhhy>

**RFIDS FOR ASSET (HIVE) IDENTIFICATION, LOCATION, TRACKING, AND INVENTORY: Jerry Bromenshenk, Robert Seccomb; Bee Alert Technology, Inc.; USA; [beeresearch@aol.com](mailto:beeresearch@aol.com)**



Working with Ron Gilbert's team at the USA Pacific Northwest National Laboratory, in 1999, we put the first true RFID tags on bees. Small passive tags using nanoblock microchip technology are now employed for inventory control in the medical industry, warehouses, and stores such as Wal-Mart. These tags, produced by Alien Technology, a world leader in volume production of Radio-Frequency Identification (RFID) products, were developed by Gilbert's team. This same team placed the first RFID tag on a bee for us. Combinations of passive and active RFID tags connected to wireless, cellular, and satellite communications can economically provide theft-protection and hive recovery and also enable nearly effortless inventory, location, tracking, and management options to the commercial bee industry. In our presentation, we cover currently available options, not only for theft protection but also for data-driven bee management. We conclude with this advice to beekeepers: "The infrastructure for intercepting loads of stolen hives is already in place and being used by other industries. It is time to put in place a well-designed, state, and nation-wide service. If you buy only for theft protection, the odds are that it will not be working when a theft does occur. Instead, build a system to meet your daily needs, make it useful for many purposes, and use it to improve your management by providing data-based information. Theft protection is a bonus. Please contact us for help designing an integrated RFID and communications system that meets your unique business needs: 19 minutes, <https://tinyurl.com/7m5ejh>

**HIVE MONITORING SYSTEMS AND HOW THEY HELP BEEKEEPERS SAVE HIVES AND MONEY: Rafael Cabrera; Solutionbee LLC: USA; [rafael.cabrera@solutionbee.com](mailto:rafael.cabrera@solutionbee.com)**



[https://beekeep.info/vita\\_details/](https://beekeep.info/vita_details/)



Hive monitoring systems have advanced greatly in the last few years. Their features have matured, and the equipment has become even more reliable and durable. Saving money on equipment starts by selecting equipment that will last a long time in the bee yard. Apiaries are exposed to months and years of rain, dust, and temperature swings that can overwhelm poorly designed equipment. Features such as buttonless controls, wireless configurations, and water-tight enclosures ensure that your investments last trouble-free for years. Replacing batteries can also be a time-consuming effort. Furthermore, batteries that deplete in the middle of a nectar flow, or in the winter are annoying to replace. Look for designs that only sip power sparingly and whose batteries last for at least three years, if not longer. Some excellent designs will last well over five years or more on a single battery. If designed well, hive monitoring equipment will last more than a decade out in the field in the harshest conditions: 8 minutes, <https://tinyurl.com/2rwe72ce>