



## 2021 Colony Health Monitoring Registration Form

Continuous colony monitoring and the implementation of best management practices has been shown to improve bee health, pollination, honey production, and to reduce annual bee losses, use of antibiotics, and overall operating costs for beekeepers. The purpose of this program is to provide temporal monitoring and evaluation of pests and pathogens in the honey bee hive. Colonies will be sampled in early spring and late summer for major pests and pathogens. An effective Integrated Hive Management program includes continuous evaluation and planning steps so that adjustments can be made as necessary to ensure the success of the beekeeping operation. As part of this program, we will also collect colony management data from you, as a way to provide to you an evaluation of your pest management practices and pest/pathogen levels. The goal of the colony management data collection is to investigate possible association between your management practice and your pathogen levels.

Apiary sampling will occur twice a year: Samples will be collected in early spring and late summer. Two types of samples will be collected from 10 colonies at each apiary: live bee sample (viruses, Nosema, AFB, EFB) and alcohol wash (Varroa). Live bee samples from all 10 colonies in each apiary will be combined/pooled into one sample per apiary. Alcohol wash samples will not be pooled. These individual colony samples will be analyzed for mite levels locally for fast data result. Test results for Varroa, Nosema, AFB and EFB should be expected within 1 ½ week from time of sampling. Results for viruses may take an additional 2 weeks.

**NEW:** Beekeepers interested in carrying out their own field sampling can now participate in this program choosing the 'self-sampling' option. Beekeepers will receive sampling supplies, instructions and mailing labels in advance. Two shipping boxes per apiary for spring and fall sampling, and a separate set of vials for mite sampling will be sent to each beekeepers. A maximum of 10 colonies per apiary should be sampled and tagged in the spring, and the same colonies sampled again in the fall (when possible). A training video will also be shared with participating beekeepers to assist with sampling.

<b>Name:</b>					
<b>Company name:</b>					
<b>Email address:</b>					
<b>Contact number:</b>					
<b>Address:</b>					
<b>City:</b>		<b>Province:</b>		<b>Post code:</b>	
<b>Number of yards:</b>					
<b>Please provide GPS location and a name ID for all yards</b>	<b>Yard 1:</b>				
	<b>Yard 2:</b>				
	<b>Yard 3:</b>				

Spring and Fall sampling collection could be done before or after miticide/ Nosema treatment. Do you have a preference?	Spring:	Before	After
	Fall:	Before	After
	No preference		
We will be sampling 10 colonies in each yard. Would you like us to sample from a specific set of 10 colonies or can we choose the colonies at random?	Specific colonies <i>(Colonies to be identified onsite)</i>		
	Choose at random		

Please complete the table below:  
(EP = Eligible Producer; Non-EP = Non Eligible Producer)

**EARLY-BIRD  
PRICES**  
*(Ends March 12th)*

Colony Health Monitoring	Description	Cost per yard (+GST)	Number of yards	TOTAL <i>(multiply yard by cost)</i>
<b>Option 1:</b>	<ul style="list-style-type: none"> <li>• 3 viruses</li> <li>• AFB <i>(incl. resistant test if colony is tested positive)</i></li> <li>• EFB</li> <li>• Nosema</li> <li>• Varroa</li> </ul>	\$395.00 (EP)		
		\$410.00 (Non-EP)		
<b>Option 2:</b>	<ul style="list-style-type: none"> <li>• AFB <i>(incl. resistant test if colony is tested positive)</i></li> <li>• EFB</li> <li>• Nosema</li> <li>• Varroa</li> </ul>	\$285.00 (EP)		
		\$300.00 (Non-EP)		
<b>Option 3:</b>	<ul style="list-style-type: none"> <li>• Nosema</li> <li>• Varroa</li> </ul>	\$145.00 (EP)		
		\$160.00 (Non-EP)		
<b>Self-sampling:</b>	<ul style="list-style-type: none"> <li>• Similar to option 1: 4 viruses, EFB, AFB, nosema and varroa</li> </ul>	\$315.00		
<b>Additional diagnostics*</b>	Please check the <a href="https://www.nbdc.ca">NBDC website</a> for additional services. Please list services requested in the field on the right.			

\*Tech Transfer Program staff may collect samples for diagnostic services in addition to those listed above, as per the beekeeper request (i.e., additional virus analysis, antibiotic resistance in honey, pesticide residue). The additional cost will reflect the fee for the requested diagnostic service as listed on the National Bee Diagnostics Centre (NBDC) website <https://www.gprc.ab.ca/research/nbdc/submitsamples.html>



**Please sign and date:**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Cost:** Beekeepers will be invoiced directly by Alberta Beekeepers Commission after receipt of completed and signed registration form.

**Your privacy matters to us!**

The Alberta Tech Transfer Program (TTP) will not release any information that could identify individual's personal information who participate in our programs. Among information we consider personal identifiers, in addition to name, address, email or phone number, includes the location of apiaries.

All information you share with us is confidential. The TTP may create aggregate views of the data to broaden our understanding of trends in bee health. During the development of these aggregate views, much attention will be given to protect your privacy. For example, we will not share your location and name, instead we will assign each beekeeper an Identification Number (IN), to be unrecognizable as an individual, and pool data by region, protecting your apiary location. Additionally, we will use strategies such as reporting results averaged by month or regions instead of the actual sample date or county.

**Contact:**

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