

8.6.2020

151. Tip

We continue in improving our instructions and manuals. We have added illustrative videos for using our devices (Tracker and Sensors). You can get a better idea of what using our devices look like.

152. Tip

In the attachment you can find a photo of the bottom pad with the fall, on which our system marked 12 Varroa mites. The marking is not yet completely perfect, so we will be happy for each photo of your bottom pad with Varroa mites so that the system has something to learn from.



10.9.2020

153. Tip

We have significantly improved the display of measured values in graphs. Now they are all together in one graph and you can turn them on / off as you wish. There is also a special link ("Open in new window" button next to the „Today“ button), which can be used from anywhere (from another website or separately without the need to log in). The graphs in this link update automatically.

Grafy (teplota | váha)

Grafy na hodinové bázi Preference

Teplota	<input checked="" type="checkbox"/> zobrazit	■ ▼	Počasí	<input type="checkbox"/> zobrazit
Ext.teplota	<input checked="" type="checkbox"/> zobrazit	■ ▼	Tlak	<input type="checkbox"/> zobrazit ■ ▼
Meteo-teplota	<input checked="" type="checkbox"/> zobrazit	■ ▼	Rychlost větru	<input type="checkbox"/> zobrazit ■ ▼
Hmotnost [kg]	<input checked="" type="checkbox"/> zobrazit	■ ▼	Oblačnost	<input type="checkbox"/> zobrazit ■ ▼
Prohlídky	<input checked="" type="checkbox"/> zobrazit	■ ▼	Vlhkost	<input type="checkbox"/> zobrazit ■ ▼
			Pozice legendy grafů	Dole ▼

[Uložit](#) [Zrušit změny](#)

154. Tip

Sometimes users point out unexplained weight changes measured by hive scales. We found that they occur in the rain. The beekeeper probably has bricks or concrete parts on the roof of the hive as a burden and they can absorb a considerable amount of water. So if it happens that in rainy weather the scale announces a significant honey flow, do not prepare a honey extractor, but try to exchange the bricks on your hives for something non-absorbent.

155. Tip

Beware of the increased consumption of this year's stocks. In July and August, we gave our bee colonies two rations of feed (a total of 20 kg) and we can see on the weight that gradually 12 kg has been already consumed. If we did not monitor the weight and thought that the bee colonies have been already fed, they would have only 8 kg left for the whole winter. It can be estimated that 8 kg can be consumed by a strong bee colony even during higher activity in September and October. So by the end of the year, we would almost certainly face significant deaths.

23.9.2020

156. Tip

We have found many individuals in our neighborhood who like to enrich themselves at the expense of others. They live in our apiary and they are called the bees. Be careful not to meet them when you are feeding the bees. It worked for us to feed at least small amount of the feeding to all bee colonies at one time and close a bit the entrance.

157. Tip

If you are the owner of robbers, then you may be pleased with the off-season honey-flow that is really happening. Although it was probably a sugar-flow from a foreign apiary, we did not send the bees back and kept them. You can see the scale graph from the mentioned beehive. Set the date at the top left of the site. To preview the graph use the following link:

<https://probee.cz/FreeArea/GraphsUIAllSensors.aspx?U=6502&I=416&R=F78AFC038D264210AC91>
Set the date 11.8.2020, the scale graph is a blue curve.

158. Tip

Special offer only for you, registered ProBee users:
we offer free rental of beehive scale until the end of 2020 (rent against a refundable deposit of 126EUR). You will return the scale till 31.12.2020 and we will refund the entire deposit or you can switch to paid mode.

5.10.2020

159. Tip

Despite the nice weather so far, the temperature in bee nests is starting to drop, which means that bee colonies are restricting the brood rearing. The bee colonies are feeling the approaching autumn. See the attached file.

Název	Grafy (teplota)
<input type="checkbox"/>	
H01	26,4
H02	32,9
H03	34,3
H04	29,1
H05	29,9
H06	28,4
H07	34,3
H08	27,0
H09	27,7
H10	25,3
H11	29,4
H12	34,5
H13	29,9
H14	24,9
H15	32,0
H16	32,8
H17	18,7
H18	24,6
H19	30,6

160. Tip

At <https://youtu.be/C8WAVtZK3P8> you can watch a short video that we shot together with IBM.

161. Tip

We remind our experience with the mouse in the hive last year. The current lowering the outside temperatures will certainly bring them to unsecured combs.

<https://www.facebook.com/145116136242000/videos/211967979556815>

16.10.2020

162. Tip

We have improved the info channel system for users of our monitoring devices. Now you have the opportunity to choose about which bee colonies you want to be notified by the system. For example, some users do not have an acoustic sensor located in the center of the cluster and have reported

signal attenuation. To save you work, we have activated all channels and if you do not want to use any of them, you can cancel them in the Tools / Info Channels menu.

163. Tip

Last time we informed you about the lowering the temperature in the bee cluster and the related restrictions of laying eggs. Last weekend, we went through all of our hives and verified that this is really the case. During a cursory glance at the fetus, we did not see the fetus in the vast majority.

164. Tip

3.10.2020 we found one bee colony dead and in the attachment you can see one of its combs. The bee colony probably at an inopportune moment tried to silently exchange the queen, and it failed. Subsequently, the bees did not guard the access to the hive, were robbed and starved to death. At the bottom were pieces of wax and dead bees.



30.10.2020

165. Tip

We would like to share with you an interesting experience with a problem that may occur during this period. There were a large number of drones in one of our hives at the beginning of October (see 165.Tip.Bees). On 30.9. we found that the colony had been robbed according to the weight drop (see the 165.Tip - 2 afternoons are enough for the robbery). We replenished their stocks, but unfortunately we saved the bee colony only for another three weeks. The reason for the occurrence of drones will probably be a drone laying queen or a queenless bee colony with laying worker. As with queenless bee colonies, they do not guard well the entrance and usually starve to death after being robbed without the intervention of a beekeeper.

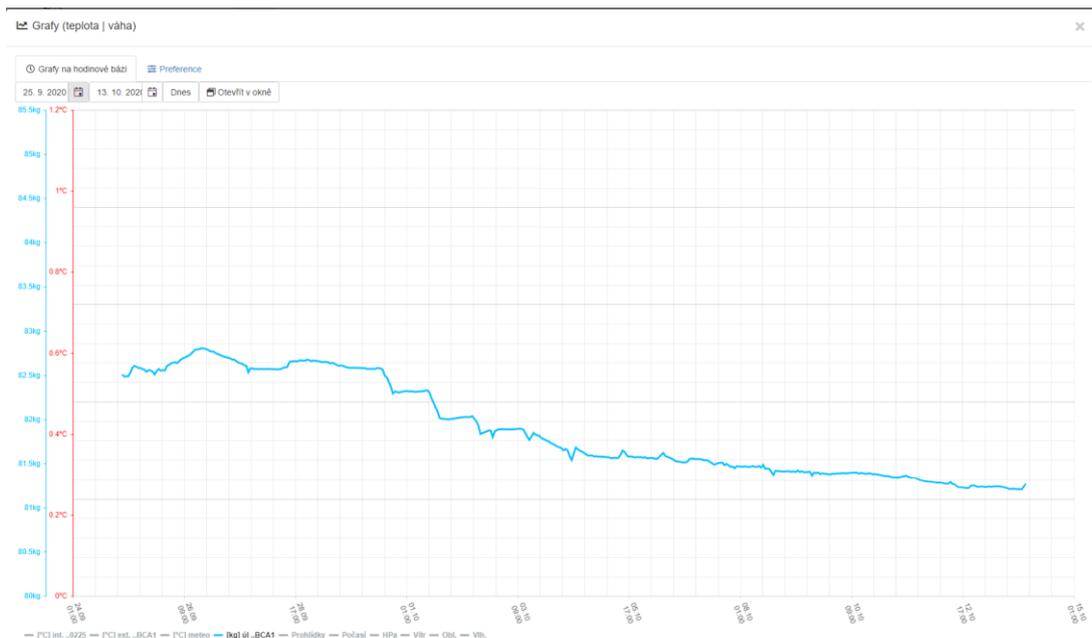


166. Tip

Last time we informed you that we found that there were very few fetuses in the hives. Due to the current cold weather, a further reduction in laying can be expected and we will soon be able to fumigate effectively.

167. Tip

Until the end of September, the weather was warm and in the next attached photo you can notice that during two weeks (26.9.-3.10.) the bee colony consumed 3 kg of stocks. We were worried that at this rate they could soon run out of stocks, but with the October cooling, consumption decreased 6 times and in the next week (3.10.-11.10.) it was only 0.5 kg. This probably corresponds mainly to the hatching of the remaining brood.



16.11.2020

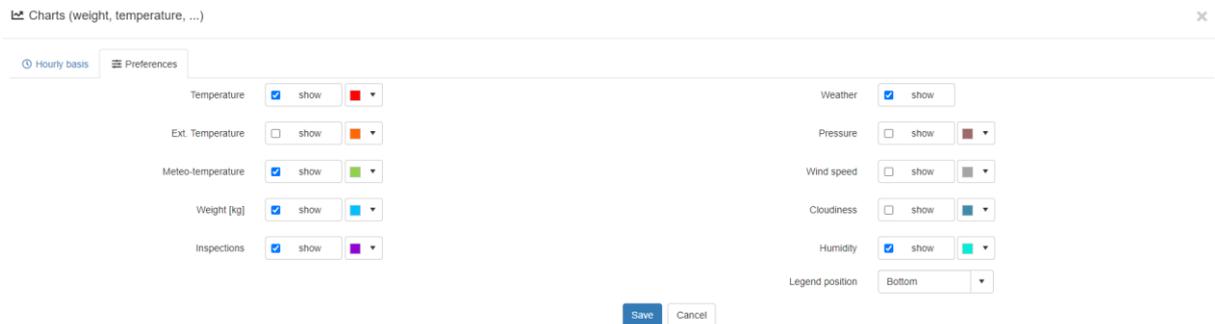
168. Tip

In these days mice starts to come into the hives. Inserts in entrances with 8mm holes have worked for us (see the photo in the attachment). It is said that the shrew-mouse stretches through a hole 7 mm high, but then of course it needs much more space in width (it must flatten). For interest, watch the video here: https://www.youtube.com/watch?v=iGXYZwZEZa0&feature=emb_title This means that the mouse gets inside through a normal eyelet, which is why we, who leave the eyelets open for the winter, at least close the lowest one.



169. Tip

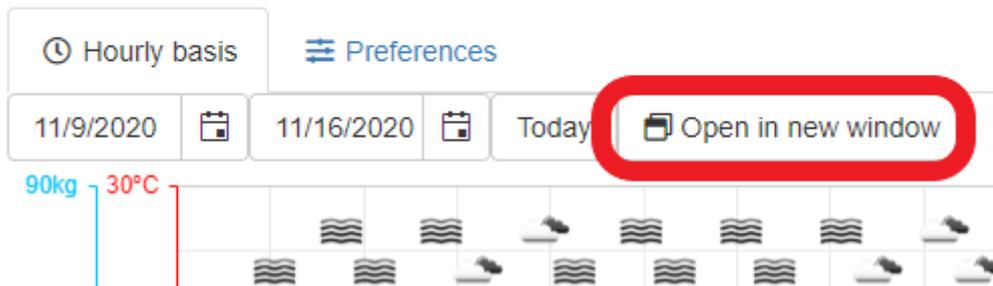
Even those of you who do not have our sensors can use the ProBee application to display weather trends with many variables. Just click on the button in the Charts column (weight, temperature,..) and select the Preferences tab. Here you can set anything you are interested in.



170. Tip

We remind you who have sensors that you can share your charts to anyone using the link you copy after clicking Open in new window.

Charts (weight, temperature, ...)



24.11.2020

171. Tip

Do you know how to recognize robbed bee colonies? If you have eyelets on your hives, try to watch them regularly. Instead of a clean hole, you can see something like the one in the picture in the attachment during/after the robbery. The bee thieves are probably dirty by the keen opening of the cells with stocks and leave such marks. We are currently teaching ProBee to recognize the robbery and today it can at least detect the so-called attenuation, i.e. that the bee colony is fading and ceasing.



172. Tip

On November 15, 2020, we fumigated the colonies on one of our apiaries, and thanks to the acoustics, it was confirmed that they would cope with the smoke relatively quickly. Within two hours, the bee colony calms down again.

173. Tip

At the end of October, we examined the strength of the hives and found an interesting phenomenon. The vast majority of them sit in front of the hive with open eyelets. The winter tuft prefers to sit by the fresh air supply so that it doesn't have to worry so much about venting the exhaled carbon dioxide. Recommendation: Therefore, do not be afraid to leave the eyes open all winter (we only close the bottom, see 168.Tip). We believe that thanks to this, bees do not wear out by so much by ventilation and save on the consumption of stocks.



29.12.2020

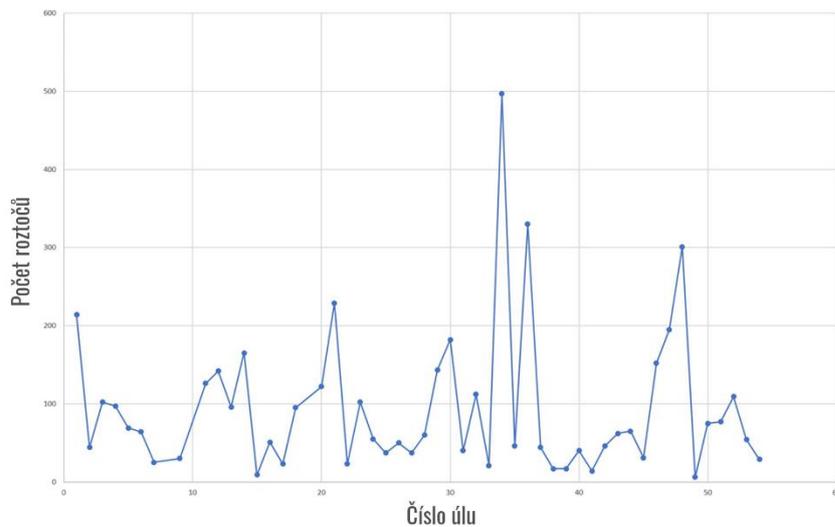
174. Tip

One of our careful users has warned us to a different graph display that may appear to someone who works with ProBee on multiple devices. The solution is simple - restart your computer or browser.

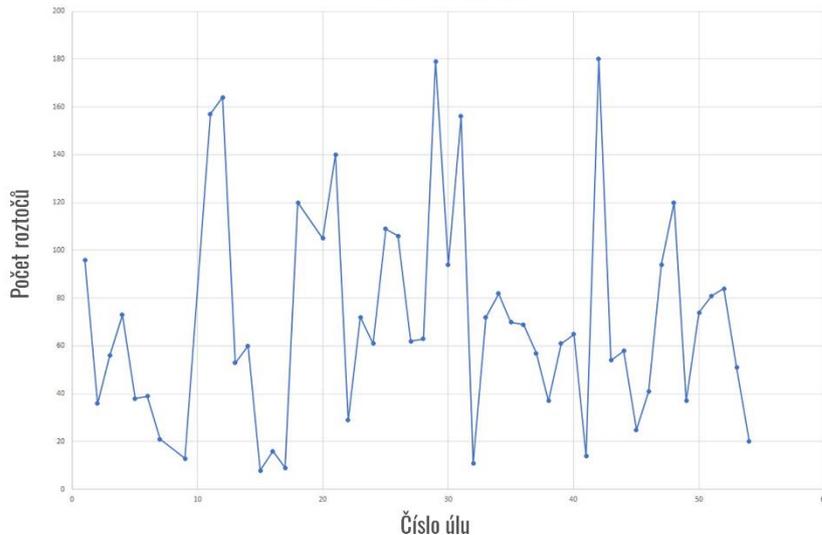
175. Tip

In the attachment you can find a chart of infestation at one of our apiaries. These are fallouts calculated by the ProBee system just after the first fumigation, so it's okay that they are extremely high. You can notice that the distribution of mites is very diverse and it cannot be said that the colonies on the edge, for example, would be more attacked due to the flying of bees. After 14 days, we did a second treatment and then re-evaluated the mite drop. Surprisingly, there was a significant improvement only in heavily infested hives. For the others, the change was small.

Varroa 17.1.2020



Varroa 12.12.2020



176. Tip

We believe that you enjoyed the Christmas holidays in peace and quiet and we wish you good health, lots of honey and happy bees for the coming year.

Thank you for your favor.



11.1.2021

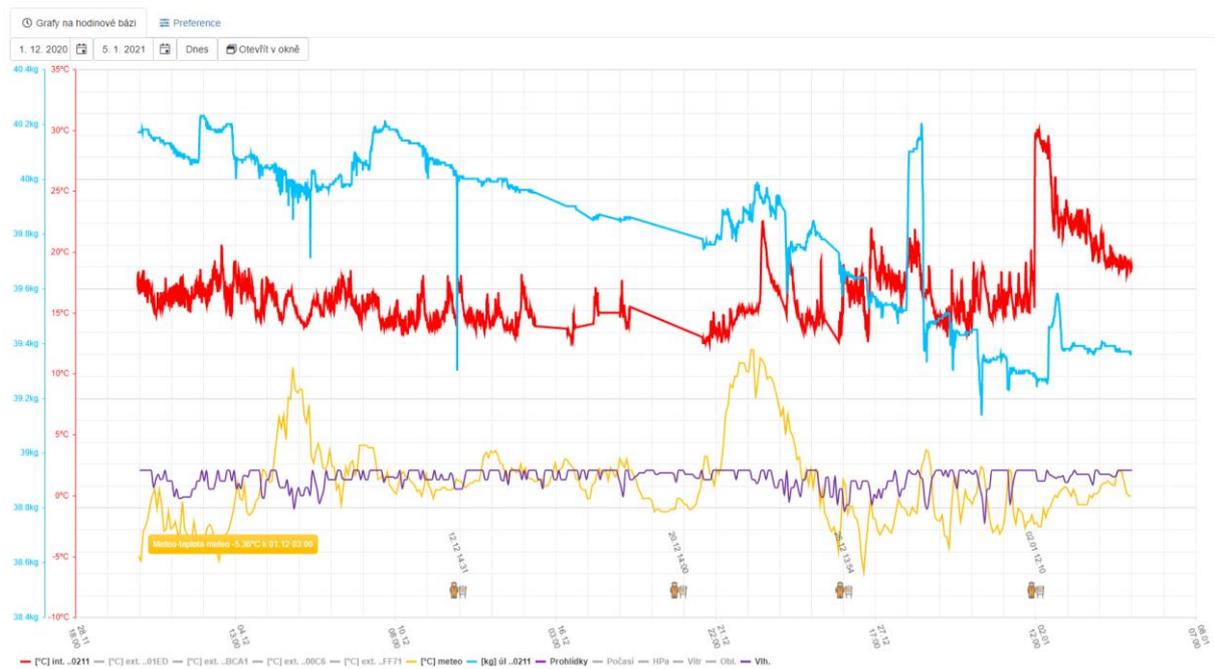
177. Tip

This winter we care about the correct placement of the sensors in the cluster (the cluster moves during the winter, so sometimes it escapes from the sensor). On that occasion, we examine how much the bees are bothered by such disturbances. Please note in advance that we are beekeepers using low supers and do not manipulate with individual combs. We have found that, for example, breaking the cluster by lifting the super up at temperatures around zero will disturb the bee colony, but within a few hours it will calm down and not harm it in any way. If beekeepers find that some of the colonies are strangely buzzing or more dead bodies are laying at the bottom, do not be afraid to do such a simple check. You save something rather than destroy it.

178. Tip

If the bee colony has enough stocks in January, we can be calm until February. In the attachment you can find that the consumption of stocks is about 1 kg per month. Greater consumption will certainly occur in spring with laying queens.

Grafy (teplota | váha)



179. Tip

Although we are more at home thanks to winter and covid, we can still beekeep at least on the computer. If you still have your apiary notes written on paper, try inserting them in the ProBee records. You will have them available anytime and anywhere, even via mobile phone. You can find how to do this, for example, in the manual („Account tools/Help, downloads/EN Help and manual for ProBee“). Also try voice input - <https://www.facebook.com/145116136242000/videos/277683283624959>.

1.2.2021

180. Tip

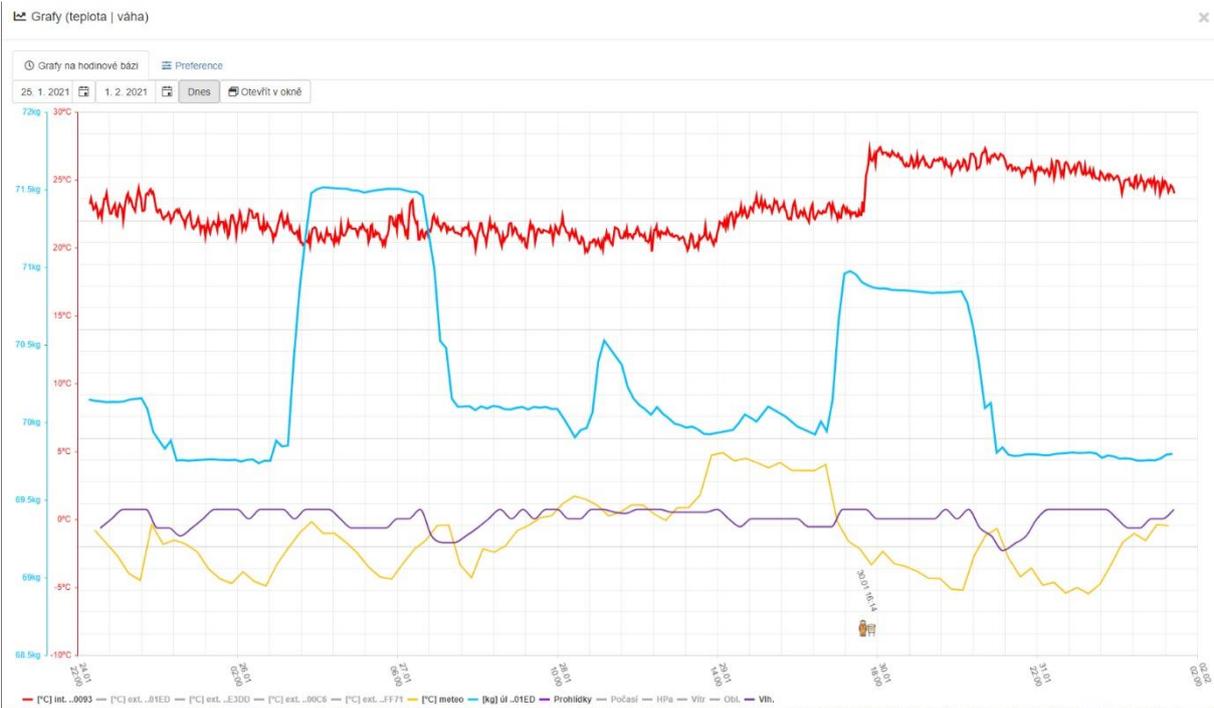
Last time we informed you that the hive can be opened carefully even in winter, especially if you have low supers. We did something like a winter inspection and found that a number of bee colonies, which we could describe as weak, have a surprisingly small amount of supplies. At the same time, we fed all the bee colonies equally and sufficiently at the end of the summer. The only explanation is - the autumn hidden robbery. Therefore, we warn again that the reason for the possible death of bee colonies may be a lack of supplies.

181. Tip

We watch interesting behavior of bee colonies in winter. As the outside temperature decreases, the acoustic activity of healthy strong colonies increases, trying to maintain the same conditions in the cluster. On the contrary, weak colonies cannot do this and are significantly silent. This means that with the help of acoustic sensors we know the condition and strength of the bee colony without opening the hive.

182. Tip

A question for those who have hive scale - have you also had a honey flow in the last few days? We did, unfortunately it was snow. The blue curve shows the weight (sharp increase and then melting snow).



Have you tried all the features of ProBee yet? If so, you have found it to be very extensive. If not, then maybe that's what discouraged you :) We decided to make your work with ProBee easier and we organized an instructional seminar. It will take place, of course, online. Date - Wednesday 10.2.2021 at 18.00. We will send the invitation in another email. The seminar will take place in the form of a stream on youtube (without the need for registration) and there will be written communication in the form of chats (for any questions).

24.2.2021

183. Tip

At the web seminar last week, we showed instructions on how to easily find out and enter the GPS coordinates of your apiary into ProBee. Unfortunately, we provided the instructions inaccurately, we advised that you just need to copy the coordinates from the address bar on Google Maps. However, they contain a decimal point, and our system only accepts a decimal comma instead. If you've tried it, consider it.

184. Tip

Due to rising temperatures, we can expect higher activity of our colonies, including flights. Our sensors show that stronger bee colonies are already laying eggs despite the recent severe frosts.

185. Tip

Today at 18:00 there is another web seminar on the topic of simple creation of inspections and uploading photos to the ProBee. If you are interested in listening to it in Czech language, here is the link: <https://teams.microsoft.com/l/meetup-join/19%3a247ac2175db04351a5c2ed1f69680d57%40thread.tacv2/1613507991200?context=%7b%22Tid%22%3a%228f5dfc3b-a748-402f-900c-bc4e5527b1fa%22%2c%22Oid%22%3a%2265333643-f108-488b-acb9-ec538982f6d9%22%7d>

5.3.2021

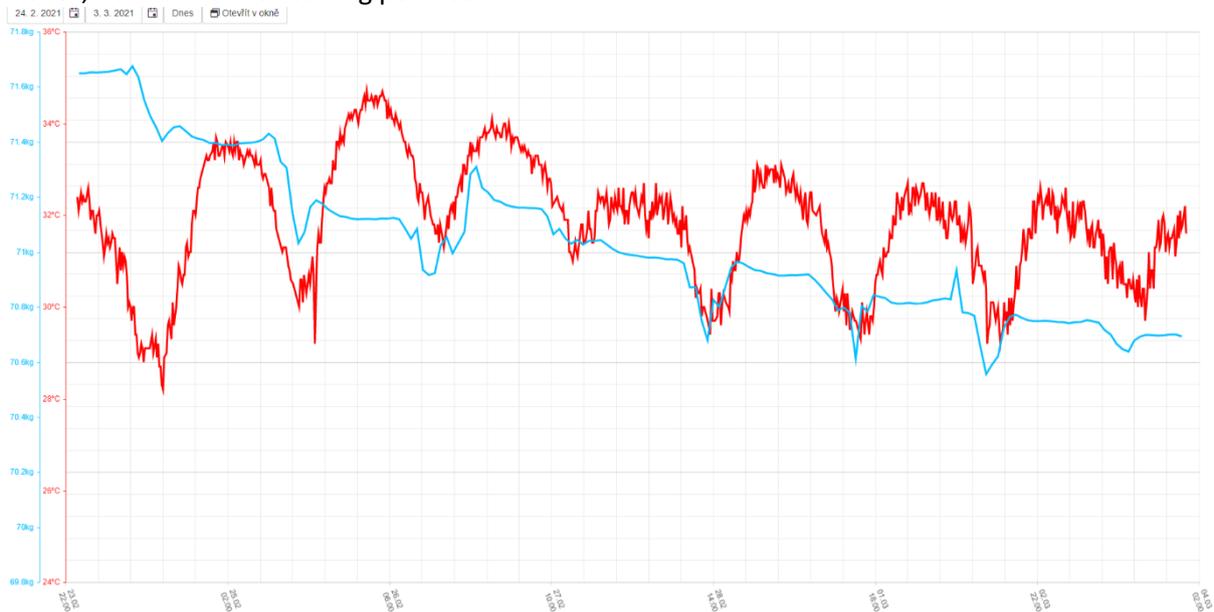
186. Tip

Warmer days are coming and all queens started to lay eggs as you can see in the attachment from the temperatures inside the hive measured by our sensors. We also found a significant pollen flow when we watched our hives at the apiary. Even though it is still cold nights and some days, the bees are much more active and only weak bee colonies stick together in the cluster.

H35	 26,3	?
H36	 32,8	?
H39	 32,4	?
H40	 32,2	?
H41	 33,3	 35,2
H42	 32,2	?
H43	 27,1	?
H44	 35,2	?
H48	 33,9	?
H49	 33,0	?
H50	 33,7	?
H51	 32,9	 66,2
H52	 33,6	?
H53	 34,2	?
H54	 33,1	?

187. Tip

The higher activity of the colonies is also evidenced by the outputs from the scales, as you can see in the next attachment. In the winter months, the consumption of the stocks was around 1 kg per month, now it has risen to 1 kg per week.



19.3.2021

188. Tip

To watch a live broadcast from our apiary, including the space at the bottom of the hive, click on the following two links:

[Němčice inside](#)

[Němčice outside](#)

Of course, this view will be more interesting when it is warmer.

189. Tip

We uncovered a few lids for our hives, and even though they were 2 degrees above zero, the bees no longer clung tightly together in the winter cluster. Especially stronger bee colonies are already more distributed in the hive area. Apparently they feel the approaching spring and are much more active.

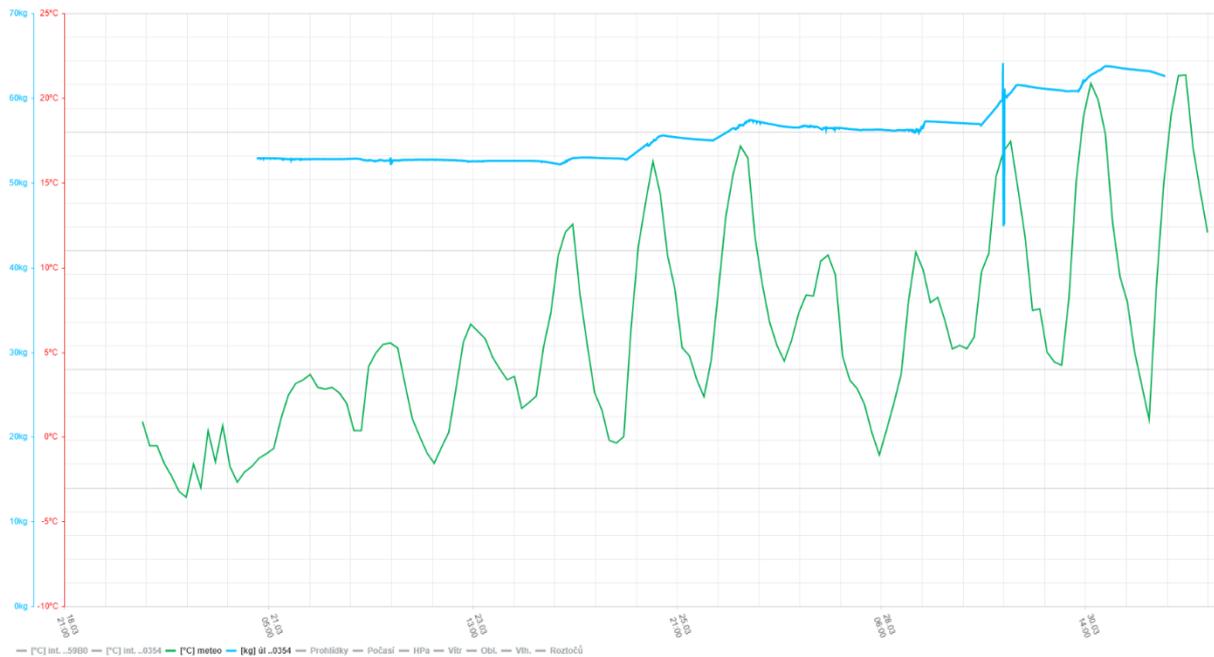
26.4.2021

190. Tip

We would like to introduce you our new website. The [Včelařství Machovi](#) website works as a signpost, where in addition to information about us, you will find links to all pages managed by us. The [Roof Top Bees](#) website is a new project that we are successfully launching this year and you can learn more about it [here](#).

191. Tip

At the end of March, we were happy for the first spring honey flow, which can also be seen in the attached chart (green curve = outdoor temperature, blue curve = weight). At that time, we had no idea that the weather would break and we would return to the end of winter, so even though the bees consumed what they hardly brought, they managed this period. Over the past month, the weight has rather stagnated and we hope that the weather will finally improve so that the bees can start carrying nectar from the newly blooming blackthorns.



192. Tip

At our last seminar, we informed the participants about the possibility of live streaming from the hive. We have launched 12 online cameras that stream high-definition views from inside and outside the hive. Watch here: <https://www.vcelynastrechach.cz/en/roofs>

7.5.2021

193. Tip

We are planning a significant change to the website and the entire ProBee application and we would like to ask you to fill out a short questionnaire, which applies to this: [Questionnaire](#) Note: The questionnaire is only in czech language.

194. Tip

We have bee hives on another roof, this time on one of the buildings of the Pilsen City Hall, for which two more roofs will be added, including the Town Hall itself: [Pilsen City Hall - Škroupova](#) We thus aroused a response not only on TV Nova, but also on ČT24. Links to individual reports are in the NEWS & MEDIA section: <https://www.vcelynastrechach.cz/en/>

195. Tip

Despite the bad weather, the bees began to build not only on the partitions, but also in the objects, as you can see on our cameras, for example here: [FST - ZČU Pilsen](#)

25.5.2021

196. Tip

Attention, this year we have already experienced the first swarm. You who have our sensors should be notified by ProBee if you have the infochannel set up correctly. We assume that the reason for swarming was little space. We did not expand the hive area due to this year's bad weather, and that was a mistake.

197. Tip

As we have already informed you about our project [RoofTop Bees](#), we have online cameras in the hives and we watch how quickly bees can build wilderness. In strong hives, they built up a large part of the space during several favorable days.

198. Tip

If you have a hive scale, you can watch the bees use every nice weather to bring something. There is no longer a risk of starvation, but unfortunately not the extraction of honey yet. In the current weather in the Pilsen region, we are just sadly watching the weights stagnate or fall.

12.6.2021

199. Tip

A few weeks ago, a couple of nice days with a honey flow finally appeared and we were able to verify that our bees on the roofs are doing well. The weight of all beehives in the city rises even more than at our main apiary in the forest. The honey flow was also on the 30m pole of the [Techmania Science Center](#).

200. Tip

In this year's very changeable weather, the correct orientation to strong hives was confirmed. Compared to average hives, they manage to build foundations well and make better use of occasional short-term warming to collect nectar. At the same time, their consumption of stocks was comparable to the consumption of average hives.