**2021 Hive Wrap Study Notes**

1. Follow the instructions on the Broodminder quick start guide (in this package with the sensors) to set up your mybroodminder.com account and assigning your sensors to colonies.
   1. Note – I would recommend powering up the sensors, etc. in your house and getting everything setup before installing in the hive – just to make sure everything communicates (and it is warmer)!
2. Once you have set up your sensors & Hives on mybroodminder.com, look up the “hive code” – you’ll use this when you fill out the questionnaire about the colony. Get the hive code this way:
   1. Go to mybroodminder.com
   2. Select “Configure” on the left side.
   3. Select “Hives” on the screen it brings up
   4. For each hive in the study, note the “hive code” (second column). It will be 4 characters long – we’ll need this to set up the live stream.
3. Installing your sensors for our study:
   1. T2SM sensor – this is to measure the outside temp. Install it somewhere near the hives being monitored but it doesn’t have be on the hive
   2. TH2SM sensors – ( 3 total)
      1. Install one about on the east side of the front of the hive between the wrap & the woodenware.
      2. Install one in as close to the middle of the hive as you can.
         1. For example, if you have 4 mediums – place it on top of the frames in box 2 – as close to the middle as possible
      3. Install one on top of the frames under the inner cover - as close to the middle of the box as possible.
   3. Note which sensor is where so we know location we are looking at when analyzing the data!
      1. It is easiest if you note the ID on the sensor label– ex: 56:06:XX for the temp/humidity sensor or 47:0A:XX for the temp only sensor
4. Other hive winterization requirements (as a reminder):
   1. Close off the bottom board
   2. Add insulation on top of the inner cover
   3. Reduce entrance to as small as possible
   4. Ensure top of the wraps are tight so snow & ice doesn’t collect between the woodenware & the wrap.
5. Once you wrap your colony :
   1. Fill out the questionnaire for each of your hives: <https://www.surveymonkey.com/r/2021NHBA_WrapStudy>
      1. Have your hive code and sensor IDs available when you start the questionnaire as it asks for them.
   2. Take a picture of the colony & send it to me so I can put it on the web page!
6. There is a broodminder user guide: <https://www.dropbox.com/s/hwmde6h97sbmzl4/BroodMinder-User-Guide.pdf?dl=0>

Give me a shout any time if you have questions.