

## Rain limits nectar flow in Northern California. Measuring Metabolic Loss.

After several weeks of gains, rains have limited nectar flows in northern California. A change in weather patterns can mean the end of a flow. Graph 1 is Bryan's hive in Redwood City, CA. During the last 21 days, it gained 10 lbs. Graph 2 is Chris's hive in Sonoma, CA. During the last 21 days it gained 14 lbs.

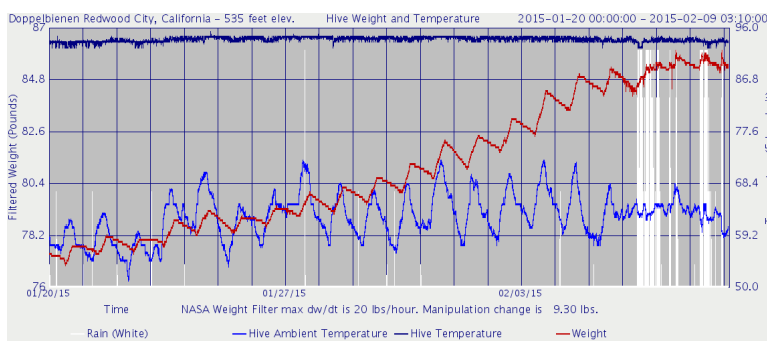
Two weeks ago, Rob's hive in Pella, Iowa gained about 20 lbs of snow! Rob sent this picture in case anyone want to know what that looked like.



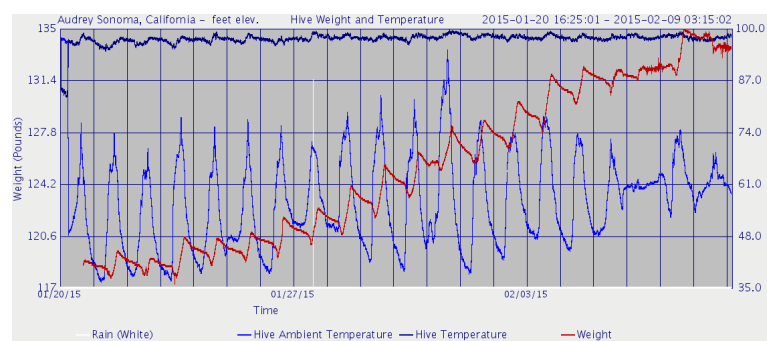
Picture 1: Raspberry Hive, Pella, Iowa

In the Midwest and southern US the hives continue to loose weight due to metabolic loss. Compare the losses of hives in Iowa and Georgia during periods when there was no rain or snow.

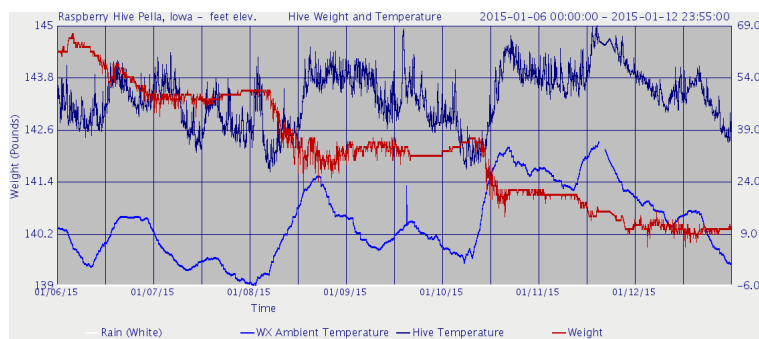
During January 6-12, Raspberry Hive lost 4.9 lbs. During Jan. 25-31, GA003 lost 4.2 lbs. Over these 7 day periods, the hive in Iowa lost an average of .7 lbs per day. The hive in Georgia lost an average of .6 lbs/day. Further south, GA005 in Sharpsburg, GA, lost .4 lbs./day. It would be interesting to try to correlate these losses with temperature.



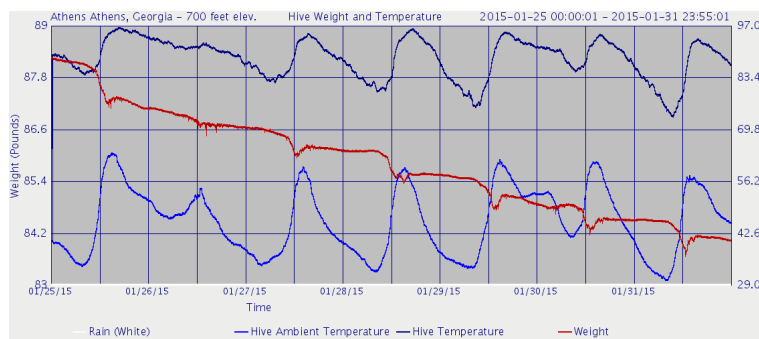
Graph 1: Hive Doppelbienen, Redwood, CA, USA



Graph 2: Hive Audrey, Sonoma, CA, USA



Graph 3: Hive Raspberry Hive, Pella, IA USA lost 4.7 lbs.



Graph 4: Hive GA003, Athens, GA, USA lost 4.2 lbs.