Literature Search (Topic 3)

Peer reviewed:

1. Becher et al.(2013) provides information on the reasons that managed honey bees are declining in population. They go into detail on how different stressors effect colony growth and survival.

Becher, M. A., J. L.Osborne, P. Thorbek, P. J. Kennedy, V. Grimm. 2013. REVIEW: Towards a systems approach for understanding honeybee decline: a stocktaking and synthesis of existing models. Journal of Applied Ecology, {50}: 868–880.

1. Honey bee colonies with a lower genetic diversity have a high death rate in the population. The more diverse a population is, the healthier and more productive that colony is.

Tarpy, D. R., D. vanEngelsdorp, and J. S. Pettis. 2013. Genetic diversity affects colony survivorship in commercial honey bee colonies. Naturwissenschafter 100:723-728.

1. Recent declines in the managed honey bee population are caused by parasites and related disease. The bees are more susceptible to these diseases because they are in closer ranges with a large amount of bees.

Wagoner, K. M., H. F. Boncristiani, O. Rueppell. 2013. Multifaceted response to two major parasites in the honey bee: Apis Mellifera. BMC Ecology 13:26.

Internet article:

1. Holland (2013) did not cite her sources like the peer reviewed articles do. Since she did not cite the sources, it is harder to prove the accuracy of the information you are given. The information in the article was accurate to the topic I was searching for and gave quite a bit of useful material. Although the article was on National Geographic and provided some good information, it was not a scholarly article, giving it a lower authority to other articles you might be able to find in the database. You would be able to obtain a fair amount of information from this article, but a scholarly article would be better fit for a topic such as this.

Holland, J. S. 2013. The plight of the honeybee. National Geographic. Online: <http://news.nationalgeographic.com/news/2013/13/130510-honeybee-bee-science-european-union-pesticides-colony-collapse-epa-science/>. Accessed September 2013.