

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s) **Project Number** Joshua B. Weinerth 35807 **Project Title** The Effect of Neonicotinoid Chemicals on Bee Health **Abstract Objectives/Goals** To determine the effect of neonicotinoid chemicals on the health of honey Methods/Materials Varying levels of neonicotiniod chemicals were given to 11 different group. solution. Resulting changes in health were recorded. Results I found that the greater the concentration of neonicotinoids, the faster the bees were killed. **Conclusions/Discussion** My experiment did indeed show that neonicotinoid chemical harm bees. However, I did not expose the bees to the chemicals the same way the bees would be exposed in nature I believe that an interesting follow up to this experiment would be to use the same concentration of heonicotinoids that would be found in plant nectar after the plant had chemical applied to it. This would prove if the chemicals are fatal to honeybees at recommended applications levels. **Summary Statement** effect of heonicotnoid chemicals on the health of honeybees. My project is about **Help Received** I received help from my dad, grandpa, and science teachers Ms. Phillippe, and Mrs. Ransom