

Student 6.**Pests and Diseases.**

Diseases and pests reduce size and kill the plant and the fruit. There are 3 types of diseases, fungal, bacterial, and viruses.

- Fungal is caused by humid which mildew is responsible for example black spot this can be controlled by fungicide which only targets fungi diseases.
- Bacterial diseases are caused by wet and swelling in the fruit and start to rot, which is also controlled by fungicide.
- Virus is responsible for poor growth which has a big impact of the fruit.

This is also controlled by spraying. To help prevent this by using clean tools clean up dead leaves and branches. There are two main pest types chewing and sucking pests. **Suckling pests like aphids, thrips, whitefly, mites and mealy bugs** [1]. These decrease the fruit productively by the pest feed of by sucking moisture and nutrients from the plant slowing down plant processes. Before **spray pesticide** [3] which is a targeted spray only kill pest is done measuring the amount of pest is important because it saves money and time. **This is done by using and setting up pheromone traps and once measure the amount in the trap the numbers is about 30 pests then it is time to spray. The orchard I visited had 1 pheromone trap per 10 hectares** [2]. Chewing pests chew on the plant, caterpillars, white butterfly, grass grubs, slugs, and snails are some of the small pest and large pests such as rabbits, opossum, wild pigs. To control the large pests by using traps or shoot them.