## Local Compost Affects Plant Growth

### Abstract

**Objectives/Goals**
My goal is to show that farmers don't need to spend hundreds of dollars on fertilizers and in return can use local leaf compost.

**Methods/Materials**
My main materials include: grape leaf compost, orange leaf compost, peach leaf compost, native soil, water, measuring stick, and cups.

**Results**
My results were the orange leaf compost increased the growth the most, the peach and grape leaf compost were neck to neck most of the time and stayed in the middle, and my control variable (native soil) had a slower growth to the plant.

**Conclusions/Discussion**
My conclusion was that farmers in the central valley don't have to spend hundreds of dollars on fertilizers and use their own leaves from their crops to increase and/or enhance plants.

### Summary Statement
My project is about increasing growth in plants without the high cost of fertilizers and using a more organic way to grow plants.

### Help Received
My parents helped me gather the leaves from two different orchards and a vineyard in the central valley.