

# Vermicompost

**By: Julia, Madison, Charlotte,  
Zoe, and Sophia**

# What is Vermicompost?

Vermicompost is a composting process that uses different worms called red wigglers, white worms, and other earthworms. Vermicompost turns organic wastes into good quality compost, it enriches soil with organisms and it also gives plants the essential nutrients needed. No food goes to waste if you vermicompost because it uses the food for it. There is also less garbage.

Julia

# How Does Vermicompost Work?

Vermicompost was made to help the environment. It takes food scraps and turns it into fertile soil. It also helps make sure no food goes to waste. Vermicomposting is the process of turning food waste into rich fertilizer using natural decomposition and red wiggler worms. A well-established and balanced worm farm will produce a constant supply of fresh compost as food waste is processed through it. In order to do vermicompost you need special worms, red wiggler worms. When red wigglers are healthy they can eat half of their weight each day. That is why it is important to keep red wigglers healthy. If you use vermicompost you can help the earth.

Madison

# Why is vermicompost used?

Vermicompost is used to create healthy soil. The nutrients in the the red wigglers ( the type of worm they use) solid waste helps make very rich soil that's good for planting. Vermicompost is also used to get rid of waste like fruits, veggies, and newspaper that you don't eat. The worms have 8 times the amount of nutrients than regular soil and its also better for the environment.

Zoe Eayres

# Who Would use Vermicompost?

Vermicompost can be used by anyone and everyone. Farmers mostly use it though it is very good soil and it very good for planting, but you can also do vermicompost it is very good, you can do it in your backyard, basement, and more.

Zoe Eayres

# What Does Vermicompost Look Like in the Wms Greenhouse?

Vermicompost in the wms greenhouse looks like bins with worms and newspaper and soil in it. The newspaper is usually in color. It also has some vegetables in the bins. Then, the worms eat the vegetables so no food goes to complete waste.

Julia Shrem

# Where is vermicompost used

Vermicompost is mostly used in dairy or vegetable farms. The red worms make a fertile soil that helps crops grow. Vermicompost could be used in your own house or backyard. You can use it to recycle your old food. You can recycle banana peels, egg shells, chicken bones, and many other fruits and vegetables. Be sure to keep it outside your house because it attracts flies.

Charlotte Goldstein

# Greenhouse Work

Each day in the greenhouse everyone had different jobs. Some of these jobs were, weighing the food for the worms, breaking down the food, mixing the soil around, breaking up lettuce for millipedes, we also sprayed the millipedes with water so they can survive. We had to write down our observations, measurements and we also had to draw pictures of what it looked like.



Julia Shrem *This is what vermicompost in the worms greenhouse looks like*



# Greenhouse work

Every time we visited the greenhouse we each were assigned a job. Sometimes the job was taking pictures, weighing food, spraying the millipedes, putting the food in the composter, or mixing around the red worms. We saw that through composting, the worms turned the lettuce and old dirt into fresh fertile dirt to plant with.

Charlotte goldstein

# Greenhouse work

Each time we visited the greenhouse everybody got to do a different job each time. We always checked on the worms. One time we weighed the food for the worms to see how much we should put in with the worms. Another thing we did was we mixed up the layers of waste and soil. One day we got to see the millipede and break up lettuce for it. Each time we went we were able to make an observation. One observation we made was that the worms on the lower level of the compost were less active than the worms on the higher levels.

# Greenhouse work

We went to the greenhouse almost every week. And when we did we saw the worms and how the function of composting happens. We weighed the food before we gave it to them and mixed around the soil so it wasn't compacted and we added newspaper to be composted. We were each assigned jobs like taking pictures, watering the milleped, mixing around soil, feeding and weighing the food. We observed the worms and Millipede.

Sophia Beckerman



# Greenhouse Work

The greenhouse was very fun. There were a lot of jobs to do. Every trip someone had a different job. My favorite job was mixing the worms and soil, but there were many more jobs like measuring the amount of food put in the container, also counting the amount of food put in, and last mixing the food and putting it in. The greenhouse work is fun it is nice to see the progress of your worms and dirt.

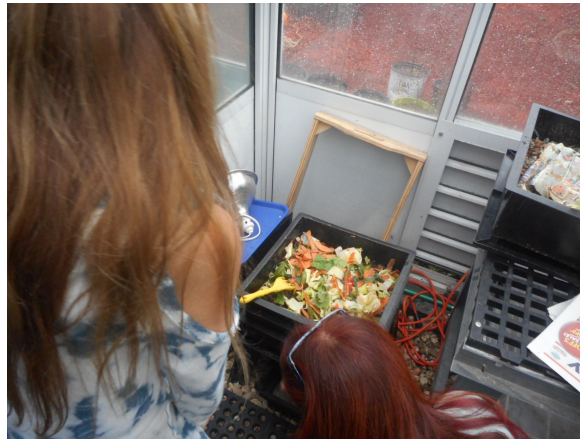
Zoe Eayres

*This Picture describes mixing the food for the worms to eat to create dirt.*

Day 1:	Day 2:	Day 3:
We saw worms, ripped up newspaper, soil, and millipedes.	We saw the same as day 1 but with some extra food added.	Everything was the same. We mixed around some food and compost so it wasn't so compacted.
We mixed around soil, so the worms aren't so compacted.	We measured food, and took out acidic foods like tomatoes.	We felt different foods to give to the worms.
553.4 grams	1461.36 grams	829.14 grams

We used red wiggler worms and distilled water.

Sophia



# Summary

Overall vermicompost is very important for the environment. Vermicompost helps the environment by recycling food that we usually throw away. Some things you can give the worms are banana peels, egg shells, and all fruits and vegetables. Anyone can use vermicompost in their house or backyard. Usually farmers or gardeners use vermicompost. They use it because the rich fertile soil is good for plants and crops. In all vermicompost can help the environment.

Madison , Charlotte