Vermi-Compost

Michael P Antony

Jacob Ryan G

Sasha

Q & A

What is vermicompost?

Vermicomposting is the use of worms to convert food waste into fertilizer.

How does vermicompost work?

Worms eat food scraps and create fertilizer that can be used to help plants grow

Where is vermicompost used?

Vermicompost is used in backyards, greenhouses, and in many compost setups.

Who would use vermicompost?

Anyone with a green thumb, a little extra time, and a lot of worms might use a vermicompost.

Q & A
(Continued)



What does vermicompost look like in the WMS greenhouse?

The WMS greenhouse's vermicompost consists of containers filled with dirt and red wiggler worms. There are also food scraps for the worms to eat, as well as shredded moist newspaper scraps to lightly wet the layers.

These measurements were taken in order for our group to find out how many grams of food that the worms will eat each week.

Weight of Food Scraps Added to Layers

10/11/2016	10/17/2016	10/24/2016	11/01/2016	11/09/2016
1142.9 Grams	1279 Grams	1139.5 Grams	NONE	NONE

What We Each Did In The Greenhouse

Michael P

Picture A (Top) The newspaper scraps and the food scraps are mixed into a layer with worms and compost.



Picture B (Bottom) The weighed food scraps are placed in a container so it can be added to the worms later.



I mixed the layers; we weighed the food scraps and put them in the layers; We laid newspaper down and sprayed it so that the worms would stay moist (10/11). We made a new layer; put worms, nutrients, soil, shredded newspaper and food scraps in new layer (10/17). We added four worms to aquaponics (10/24). We added a layer; and we added 20 worms to the aquaponics (11/01). We fed the fish and took a final tour of the greenhouse since the worms had already been taken care of that week (11/09).

Jacob



My group helped these worms by feeding them the right amount of food.

Vermicompost is when worms eat food waste. Worms need wet newspaper for the cover. Worms help the environment by eating people's left overs and recycling it into fertilized soil. In the greenhouse we were helping the worms. The greenhouse looked like there were extra boxes that had plants in it and the box for the vermicompost looked like there were dirt everywhere and scrapes everywhere and worms. There were aquaponics environments for the worms to also help. I was the one feeding the worms on (10-11). I took pictures of the worms being feed by my group on (10-17). The date for moving the worms to aquaponics is (10-24). We added even more worms in the aquaponics environment on (11-01). We all feed the fish and got a tour to the greenhouse it looked beautiful on (11-09). That was the end of our year of the greenhouse. I still miss all the worms and work with vermicompost.

Antony

In the Greenhouse, I had a chance to feed the worms, water the soil, feed the worms food scraps, and hold the worms. Over the length of 5 weeks that my group came to the Greenhouse to take care of the worms, we had to mix the layers of soil for the worms. The environment where the worms were kept are moist. There are 3-5 layers of soil, so we can always swap each layer out every week or so. Every week, we visit the greenhouse once. Each week, my group had to weigh the amount of food that the worms were going to eat that week in order to find out how many grams of food they will eat that week. Towards the end of our greenhouse everyone had a chance to place a worm gently into the aquaponics section so the worms can fertilize the seedlings.



(Weighing the worms food)



(Mixing the soil)

Sasha Sherman

This is the food we were giving to the worms. We were measuring the weight.



I was counting up all the food we gave to the worms that week.



I sprayed newspaper with water to keep the soil moist. I counted how much food we gave to the worms so they wouldn't have too much or too little food. I put worms in the aquaponics. I took pictures of the greenhouse We made a new layer and put worms, nutrients, soil, newspaper, and food scraps in there, and we fed the fish.

This is the new layer we made for the worms. We put worms, nutrients, soil, sprayed newspaper, and food scraps in there.



Ryan G

I took pictures. I mixed the food and soil together. I held a worm. We also took 5 worms to the aquaponics. I spread the compost. Lastly, I weighed the food that will go in the vermicompost.



I was putting water on the news paper



I put a light over the compost

Thank You!