



Special Ingredient Instructions

Ah, so you've decided to add a special ingredient to your MudWatt™. Very Bold! We at KeegoTech commend you for your bravery! With your ingenuity, we can really catalyze the development of MFC technology together.

Here, you will find basic instructions and hints aimed to help you maximize your success with your MudWatt™. Enjoy!

Preparing Your MudWatt™ Fuel:

- 1) Find some soil
Hint: You can either dig it up from your backyard (or someone else's backyard), or you can purchase it at a store. However, do not use soil with little white balls in it! These little styrofoam balls are great for helping plant roots breathe, but they are bad for your MFC.
- 2) Find some special ingredients
Hint: These can be anything you find in your refrigerator, a compost bin, or anything else you find outside. Think, if you were a microbe, what would you want to eat?
- 3) Prepare your MudWatt™ fuel by mixing your soil and special ingredients
Hint: Record the volume fractions of the soil and the special ingredient (you will need these later when you share your data). For special ingredients that are solid, we recommend a ratio of about 3 parts soil to 1 part special ingredient by volume. For special ingredients that are liquid, we recommend mixing it into the soil until you reach "cookie dough" consistency.
- 4) Add water or soil as needed to get "cookie dough" consistency.
Hint: This consistency is important. If it is too dry, add water. If it is too goopy, add more soil.

Awesome! Now you can continue with the instructions in your "Build Your MudWatt™" booklet. Be sure to submit your MudWatt™ data at www.keegotech.com/community/datashare and take your place among the Keego Community. All hail the Keegoites!