

BrieAnn's Science Fair Project



The final presentation.

"She is using a 5 gal distilled water box, (there is a collapsible heavy gauge bag inside) and has attached a plastic hose to the spigot. The hose is run to the bottom of an upside down graduated cylinder that has been filled with water, with the idea that the gas produced will displace the water and she could measure the amount of gas produced. There does not appear to be any leaks and no odor is detected.

Here is our concern; She filled the unit with 5lbs of goat manure and grass clippings and filled the rest of the unit with well water. We are now on day 5, and so far no gas has been produced."



Mk 1 with measuring cylinder to collect biogas.

"It was a wonderful learning experience and we are both very excited that she was able to produce methane for burning. A few weeks ago, the digester was producing so much gas that we had to switch to collecting it in a balloon instead of the graduated cylinder. After the balloon filled, we were able to hook a bunsen burner to the outlet tube and light it, and squeeze the balloon to keep the flame burning. It produced a nice blue strong flame."



Gas production increased so a balloon was used for storage.



The flame!

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