



Homebiogas 2.0 | Photo source HomeBiogas

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THIRD-GENERATION BIOGAS MACHINE CREATES MORE FUEL, LESS WASTE

 AGRICULTURE & ENERGY

A new version of the Israeli HomeBiogas system efficiently creates clean cooking fuel and fertiliser from food scraps

Spotted: The Israeli HomeBiogas company has launched an upgraded system that creates more fuel from household waste. The new version can produce 30 per cent more fuel than the previous version, according to the company.

HomeBiogas uses household waste – including meat products – to produce gas for cooking and liquid fertiliser. The new system is easier to assemble, consisting of just four pieces, as opposed to the original 15-piece setup. It is also more efficient to use – two kilos of food waste produces enough fuel for two hours of cooking.

HomeBiogas uses animal manure to initiate the gas-producing process. To produce cooking fuel and fertiliser, food scraps are fed into the digester chamber. Live bacteria in the system breaks down the food waste into gas, which is then piped out for use as cooking fuel and fertiliser.

According to the company, the system is already being used in 106 countries. Crowdfunding for the improved version is currently underway on Kickstarter, and the updated HomeBiogas will be shipped to backers in 2020.

12th November 2019

Website: homebiogas.com

Contact: homebiogas.com/Contact_us

Takeaway:

Biogas is increasingly mentioned as one of the EU's renewable energy goals. The 2018 Renewable Energy Directive calls for the use of renewable energy to help to meet the 32 percent requirement demanded by 2030. Although countries are slowly adding biogas plants to the national grids, home units such as the HomeBiogas system could help reduce carbon emissions in the meantime.