

Agricultural Biogas Plant

Agricultural biogas plants include biogas plants operated with liquid manure, dung, crop residues, or energy crops.

Agricultural biogas plants utilizes organic materials found on farms to generate biogas. The plant is designed to accept energy crops that have been grown specifically to input into the digestion facility and continuously fed into the digester throughout the year.

Energy crops

Energy crops and feedstocks for biogas production include maize, grass, wheat, rye, and triticale crassuleacean acid metabolism plants such as pineapples.

Organic materials such as waste products may be used including: vegetable waste and glycerol, from bio-diesel manufacture.

Biogas plant

Biogas plants typically consist of several low digester tanks built either from concrete or metal and are often topped by a twin- skinned gas storage bag.

Majority of the biogas will be produced by the first digestion tank with a lower gas yield being attained in the secondary digest storage tank. One acre of the whole crop maize will produce enough gas to generate one kilowatt of electrical power.