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RINGLER FARM – ASHLEY, OHIO

THIRD GENERATION SWINE FARM IN OHIO FOCUSES ON SUSTAINABILITY AS A WAY TO GENERATE REVENUE AND SECURE THE FUTURE OF THE FARM

SYSTEM DESIGN

Ringler Farms, which raises market hogs, installed a digester as a means to sustain the third-generation farm for the next generation. The company operates multiple divisions, including Ringler Energy — an alternative energy company.

Ringler has partnered with [quasar energy group](#) to build a state-of-the-art anaerobic digestion renewable energy facility in Ashley, Ohio. The anaerobic digester has a tank capacity of 750,000 gallons and a 28 day digestion time. It receives 42,000 wet tons of feedstock annually.

The construction of an on-farm anaerobic digester allows Ringler to power the entire farm, turning waste into energy while reducing farm odors and creating a liquid fertilizer byproduct used by local farmers.

PROJECT BENEFITS

Ringler Farm's digester project includes the following benefits:

- Odor and pathogen reduction
- Reduced risk of run-off and leaching of nutrients
- Diverts wastes out of landfills and fields
- Creates a nutrient rich fertilizer product (equate)
- Provides a renewable source of energy
- Potential revenue from reduction of energy/fuel costs; sale of excess energy; and food waste tipping fees

The digester will manage manure produced by the on-site livestock operations and regional organic residuals. In addition to renewable energy, anaerobic digestion produces a nutrient-rich eco-friendly fertilizer product that can be easily applied to fields at agronomic rates.



Photo: Ringler Farm

"As the third generation Ringler to run our family business, I am always focused on making decisions that will secure our farm's sustainability — I want to pass this operation on to our fourth generation, my sons. Anaerobic digestion is going to play a big role in securing this future and I enjoy being at the forefront of something new and exciting."

—Alex Ringler
Ringler Farms

- **Population Feeding Digester:** 7,000
- **Baseline System:** Pond
- **Digester Type:** Complete Mix
- **Co-Digestion:** Manure, food waste, biosolids
- **System Designer:** quasar energy group
- **Biogas Generation:** 200,919 ft³/day
- **Biogas Use:** Boiler/Furnace Fuel; electricity/heat
- **Generating Capacity:** 800 kW per hour
- **Project Funding:** USDA REAP Award