



  
equate

## About quasar energy group

Based in Cleveland, Ohio, quasar energy group is a North American renewable energy and waste management firm. quasar specializes in anaerobic digestion as a means of deploying sustainable technology solutions in agricultural, industrial and municipal applications. quasar's anaerobic digestion systems convert organic material, which would have traditionally been buried in a landfill or incinerated, into renewable energy and into a valuable liquid effluent fertilizer product called equate.



## Eco-friendly, High-Value Alternative Fertilizer

equate is an eco-friendly alternative to traditional chemical fertilizer options. It is a natural Nitrogen, Phosphorus and Potassium (NPK) supplement designed for agricultural land application. equate meets Class B or Class A solids requirements as applicable and contains organic anaerobic digested material from food processing and wastewater recovery plants. Farmers are more profitable with reduced costs by sustainably reclaiming nutrients from organic materials. Adding these products to soil helps increase tilth and organic matter.



## Land Application Management

quasar offers a full-service nutrient management program for our agricultural customers. We calculate agronomic nutrient application rates for your fields. equate can either be directly injected into the soil or surface sprayed, depending on farming practices. The use of equate can offset your farm's fertilizer requirements while reducing the cost to fuel and operate spreading equipment.



  
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## Storage Ponds

Storage ponds are built to temporarily contain equate when land application to agricultural fields is not possible due to weather conditions or farming cycles. The storage ponds are designed and engineered to comply with all applicable regulations. quasar maintains best management practices that meet or exceed the Natural Resources Conservation Services (NRCS) technical standards and guidelines to prevent discharges and ensure groundwater and surface water quality.

## equate Site Approval Process for Class B Biosolids

quasar's experienced team of professionals will manage the site approval process for you to ensure that your property is in complete regulatory compliance. quasar will complete an Application for Authorization through the Ohio EPA's Division of Surface Water. This application formalizes the Beneficial Use Agreement (BUA), which ensures the consistent quality of the material spread during land application, and assures that material will be utilized at agronomic rates.

## Required Documents from the Farmer

quasar will provide all required forms needed for qualification. Documents required by the farmer are the most recent soil data, field maps and boundaries, and crop type and quantity. Soil data must be taken within the last three years, and if there is none available, quasar is able to sample it for the farmer.



### CORPORATE HEADQUARTERS & CLEVELAND LABORATORY

8600 East Pleasant Valley Road | Cleveland, Ohio 44131  
216-986-9999 | info@quasareg.com

### WOOSTER LABORATORY

The Ohio State University OARDC Campus  
2705 Selby Road | Wooster, Ohio 44691

[www.quasareg.com](http://www.quasareg.com)