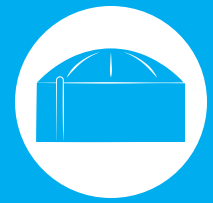


# BioGas1

## Trace Metal Micronutrient Blend for Better Biogas Production



BioGas1 contains a blend of 10 bioavailable micronutrients that are specifically designed to improve anaerobic digester performance and improve methane production. The spectrum of micronutrients in BioGas1 provides the soluble trace elements needed to optimize gas production.

The balance of its soluble trace elements is the result of almost a decade of research and field applications from the Aquafix Laboratories and can offer a superior bioavailability. The result is improved volatile solids conversion, a healthier population of methanogenic archaea, and a better quality of biogas production. This product is backed by complete technical and laboratory services for all customers.

For an in-depth analysis on your digester's trace elements, talk to your technical rep for information on our soluble micronutrient analysis.

Safe and effective results in:

- Complete mix anaerobic digestors
- Covered lagoons
- CSTRs
- UASBs



### Trace Elements Provided in BioGas1

Iron	Improves biogas production, redox activator, electron acceptor
Cobalt	Activates enzyme pathways, essential for B Vitamin synthesis
Nickel	Production of coenzymes
Manganese	Activates enzymes, stabilizes methane formers
Potassium	Stimulates cell growth
Calcium	Aids in membrane permeability
Copper	Activates enzymes
Chromium	Assists in the metabolism of glucose
Magnesium	Enzyme activator
Molybdenum	A cofactor in enzyme production, helps to inhibit sulfate reducing bacteria



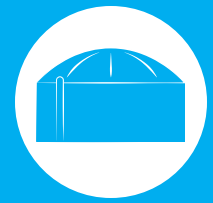
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# Dose Rates

BioGas1



Initial Loading Dose	
Tank Volume	Dose Rate One time
10,000 gal	0.5 gal
50,000 gal	2.5 gal
100,000 gal	5 gal

Maintenance Dose	
Flow Rate Gallons per day	Dose Rate Once per week
10,000 GPD	0.5 gal
50,000 GPD	2.5 gal
100,000 GPD	5 gal

## BioGas1 Dosing:

- Add to digesters with a pH already between 6-8
- Slug dose once per week, no need to feed gradually
- For anaerobic lagoons ask technical rep for custom dosing recommendation

## Available Sizes:

- 5 gal case
- 55 gal drum
- 275 gal tote

## Notes:

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For digesters with low starting pH use Boost N Lock first to raise pH above 6.



For digesters with inconsistent or inadequate loading, pair BioGas1 with Anaerobic Food Supplement.