

# BioLiNE® Gold - Technical Data Sheet

**BioLiNE® Gold is an effective & affordable tool for helping growers manage their crops.**

BioLiNE® Fulvic Acid technology was developed through years of research to improve the transport and assimilation of nutrients by crops. Our products have a proven track record of delivering superior results for growers. Our highly pure and potent liquid fulvic acids can easily be mixed into existing crop inputs and combined with other technologies.

Fulvic Acid Conc.:	<b>3%</b>	Derived From:	<b>Peat</b>	Color:	<b>Golden Amber</b>
Hydrophobic Fulvic Acid Conc.:	<b>1%</b>	Physical Form:	<b>Liquid</b>	Odor:	<b>Sweet and Slightly Acidic</b>
Organic Matter:	<b>3%</b>	Specific Gravity:	<b>1.03 – 1.04</b>	pH:	<b>2.1 – 2.5</b>
Total Dissolved Solids (TDS):	<b>4.5%</b>	Total Suspended Solids:	<b>0.00% (Fully Dissolved &amp; Free of Precipitates)</b>	Mn (Size):	<b>334 Daltons</b>
				PDI:	<b>&lt; 2.0</b>

## Features of BioLiNE® Gold:

- **Low Usage Rate:** As little as 8 oz/ac (200ml/ac) promotes a positive crop response
- **Maximum Purity:** Purified using our proprietary Fulv-IQ® multi-staged process targeting specific fulvic acid isolates with high activity and nutrient loading capacity
- **Consistency & Reliability:** Adhering to stringent QCMS protocols and using advanced analytical technologies to measure, monitor and control production.

## Applications of BioLiNE® Gold:

- Ingredient in or tank-mixed with liquid fertilizer and crop inputs
- Tank mix with herbicides, fungicides and pesticides
- Impregnation of solid fertilizers and blends
- Mixed into liquid seed treatment blends

## Benefits of BioLiNE® Gold:

**Supplementing crop production with fulvic acids help growers improve yields, reduce inputs, and feed soil biology.**

**Rapid and Even Emergence**

**Improved Root Growth**

**Improved Nutrient Transport**

**Improved Nutrient Utilization Efficiency**

**Improved Water Use Efficiency**

**Improved Crops' Natural Stress Resistance**

**Improved Soil Microbial Population**

**Improved Crop Growth & Yields**

Total Nitrogen (N) %	0.6%
Total Phosphorus (% as P <sub>2</sub> O <sub>5</sub> )	0.1%
Total Potassium (% as K <sub>2</sub> O)	1.2%
Sulfur (ppm)	2,350
Sodium (ppm)	770
Calcium (ppm)	695
Magnesium (ppm)	420
Boron (ppm)	2.2
Strontium (ppm)	1.0
Aluminum (ppm)	0.7
Zinc (ppm)	0.4
Arsenic	BDL
Barium	BDL
Beryllium	BDL
Cadmium	BDL
Cobalt	BDL
Chromium	BDL
Copper (ppm)	BDL
Iron	BDL
Mercury	BDL
Manganese	BDL
Molybdenum	BDL
Nickel	BDL
Lead	BDL
Selenium	BDL



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