



LiquiLife™

Enhance Soil Biology with an Easy-To-Use Liquid

BIOACTIVE LiquiLife™ (formerly CX-1) is a liquid biological solution that is a cost-effective way to add biology to your existing planting and crop fertility programs. BIOACTIVE LiquiLife™ is 100% plant-based, and contains hundreds of different bacterial and fungal species. BIOACTIVE LiquiLife™ can improve your soil and increase nutrient efficiency. Microbes help with:

- **Seed Germination**
- **Plant Protection**
- **Plant Health**
- **Nutrient Uptake**
- **Yield Potential**
- **Crop Residue Management**

BIOACTIVE LiquiLife™ Industry Leading Product Characteristics:

- **Diversity:** BIOACTIVE LiquiLife™ contains the highest diversity of beneficial soil microorganisms of any biological on the market today.
- **Bacteria and Fungi:** BIOACTIVE LiquiLife™ includes significant quantities of different bacteria and fungi.
- **Shelf Life:** BIOACTIVE LiquiLife™ is sold in a dormant state, giving it a shelf life of 365 days; sold by tote or tanker.
- **Contains hundreds of microbe genera including:**
 - **Nitrifying Bacteria:** a robust collection of microbial species assisting with Nitrogen availability
 - **Trichoderma:** enhances nutrient uptake
 - **Arthrobotrys:** nematode grabbing fungus
 - **Pseudomonas:** blocks pathogens
 - **Mortierrella:** phosphorous-solubilizing fungus
- **Accessibility:** BIOACTIVE LiquiLife™ improves accessibility of trace elements and soluble nutrients in foliar and in-furrow applications.



Ingredients:
100% plant-based liquid biological containing hundreds of different bacterial and fungal species.



Application Opportunities:
Row crops, small grains, hay and pasture, vegetables, orchards and vineyards, indoor high-value, intensively-grown crops and potatoes.



Application	Rate
In-Furrow	2-6 gal/ac
Foliar	2-6 gal/ac
Broadcast	5-15 gal/ac
Crop Residue	4-6 gal/ac



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Biological Touchpoints

LiquiLife™ - When, Why and How Much to Use

Eventually, all fertilizers interact with essential microbial processes that:

- Advance their "form"
- Release nutrients that are "tied up"
- Facilitate "up-take" by the plants

It's the unseen microscopic world that fuels the entire system of plant nutrition.

Minerals in a Carbon/Biological Cycle

A mineral, microbe and a catalyst (often carbon) enter a **bio-chemical process** which allows them to produce **metabolites**.

Metabolites include an estimated 25,000+ proteins, enzymes, amino acids or carbohydrates, also known as, **plant nutrients, phyto-nutrients,** or **bio-chemical compounds**. Metabolites drive **yield, plant health, nutrient density** and ultimately the **health** of **animals** or **humans** that consume the crop.

There are numerous opportunities to include BIOACTIVE LiquiLife™ in your fertility program, such as a **soil drench, root zone application,** on the **leaf surface,** or in a **liquid** fertility **mix**. For conventional and organic farmers alike, the industry leading diversity in BIOACTIVE LiquiLife™ is a key inclusion to any fertility program for farmers who include a budget for biology.

Products to Pair with:

BIOACTIVE LiquiLife™ should always be used with a **food source. (Highlighted below)**

- Any soluble or micronized mineral
- Any liquid fertility input (entire L-CBF line)
- **Molasses**
- **BIOACTIVE™ Supercharger**
- **Fish Hydrolysate**
- Any microbially friendly fungicide or insecticide
- Aminos or other flowable nitrogen products

BIOACTIVE LiquiLife™'s low viscosity means growers can use BIOACTIVE LiquiLife™ instead of water in any tank mix.

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LiquiLife™ Use Recommendation Ranges:

The application rate range is provided to help work within a variety of systems and budgets. With precision placement, multiple applications, or when partnered with more soluble/available inputs; lower BIOACTIVE LiquiLife™ rates can apply.