TECHNICAL FACT SHEET | PLANT ADVANTAGE





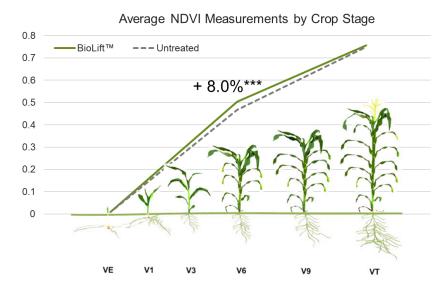
BioLift™, powered by Mosaic Biosciences®, is a shelf-stable biological fertilizer complement that transforms bound nutrients into plant-available forms and dramatically increases nutrient availability when crops need it most.

With up to 18 months shelf life—no special handling or storage required—BioLift is a high-value, low-maintenance addition that fits seamlessly into UAN and other liquid fertilizer programs for wheat, corn and more. By maximizing plant nutrient availability and early-season growth, BioLift helps growers get more from their fertility investment with demonstrated ROI.



BioLift is biological fertilizer complement that helps growers maximize ROI from production inputs. It is formulated with proven strains of PGPR—Plant Growth Promoting Rhizobacteria—that increases nutrient availability, uptake and utilization, and improves early-season plant growth and vigor.

BioLift is formulated to be blended with liquid fertilizers, such as UAN, and applied via various application methods to include sidedress, broadcast or through fertigation.



***Data reflects the average difference of 325 individually weighed corn plants across 12 locations. Biomass measured at approximately V12 to VT. BioLift applied 16 fl oz/A with sidedress nitrogen.



PERFORMANCE BENEFITS

- Solubilizes bound nutrients in the soil for optimal plant availability
- Improves soil conditions for greater root mass and plant vigor
- Accelerates early-season root and shoot development, promoting more biomass and enhanced standability
- Demonstrates improved nutrient uptake—backed by research—for a better return on fertilizer investment and yield





REI	None
PHI	None
Restricted Use	No

Shelf Life 24 months in

concentrate, up to 18 months in fertilizer

PERFORMANCE ADVANTAGES

The bioactives in BioLift produce enzymes and organic acids that improve the solubilization of fertilizer into plantavailable forms and release bound nutrients.

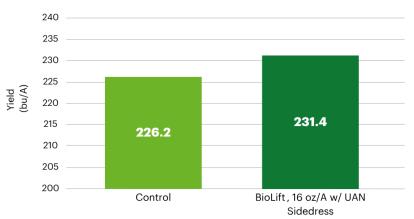
More availability of nutrients can increase nutrient uptake and provide greater root volume to improve overall plant growth and vigor. As a result, yield potential and harvest quality are optimized.

PRODUCT SPECIFICATIONS

Brand Name	BioLift™
Category	Biological Fertilizer Complement
Active Ingredient	Bacillus subtilis (1 x 10 ⁸ cfu/mL) Bacillus methylotrophicus (1 x 10 ⁸ cfu/mL) Bacillus licheniformis (1 x 10 ⁸ cfu/mL) Bacillus megaterium (1 x 10 ⁸ cfu/mL) Bacillus amyloliquefaciens (1 x 10 ⁸ cfu/mL)
Crops	All crops where UAN is utilized, including corn, wheat, cotton, soy and others
Formulation	Water-based formulation blended w/ UAN
Applications	Sidedress and topdress w/ UAN
Rate	12-20 fl oz/A as an inclusion w/ standard rates of UAN

BIOLIFT IN CORN, UAN SIDEDRESS

2022-2024, N=70



Yield data reflects the average of 70 field trials across North America from 2022-2024. All treatments received grower standard production inputs.

Comparisons between BioLift and grower standard checks resulted in a 5.2 bu/A average yield increase from BioLift in 80% of comparisons over a 3-year period.



For more information, visit **HELMcrop.com**.

HELM Crop Solustions | 401 E. Jackson St. | Suite 1600 | Tampa, FL 33602 P: 813.621.8846 | F: 813.621.0763