

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

10%
Liquid · pasteurized whole-cell microalgae

Sigma Microalgae

Mid-range food source: proteins, lipids, carbohydrates

A proprietary pasteurized single-cell microalgae, 10% by weight, supplying proteins, lipids and carbohydrates to feed the strains in Sigma Bio and boost soil microbial activity.

Microbial activity
Fuels increases in beneficial soil microbial populations and diversity.

Nutrient availability
Maximizes the effectiveness of natural and applied nutrients.

Soil structure
Secretions bind fine, medium and large particles: better aggregation, pore space and water holding.

Active ingredients

Microalgae	**10%**
Protein	**24 g / L**
Lipids	**21 g / L**
Carbohydrates	**44 g / L**
pH	**3.5**

Notes

- Low pH locally buffers the soil biome toward neutral

Rates · Sigma Liquid Foundation Program

Spray interval	oz / acre	oz / 1,000 ft²
Weekly (7-day)	**22**	0.5
14-day	**44**	1
21-day	**66**	1.5
28-day	**88**	2

Set per acre per week; multiply by the weeks between sprays.

Tank order

Fill one-third with water and agitate. Add Sigma Bio, Molasses, Microalgae, Biochar 5m, Seaweed, then K-Ferm. Build the scheduled spray on top (nutrients, then W-A-L-E-S). Watch for partners at pH 8 or higher. Jar test; water in within 36 hours.

Packaging: 2.5 gal (9.46 L) · 275 gal tote (1,041 L).
Compatible with fungicides, insecticides, PGRs, wetting agents and fertilizers in the same application. Store in the original container; protect from freezing.

Values from current Sigma product literature. Sigma products are not pesticides. Always read and follow the product label; confirm state registration.