

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
- Works in drip and fertigation lines

General use rates

Use	Rate
Per acre, soil or foliar	64 fl oz / acre
Lawns, turf and gardens	1.5 fl oz / 1,000 ft²
Spray or fertigation tank	64 fl oz / 100 gal
Applications per season	2 to 12, by use

How to apply

Soil drench, drip and fertigation, broadcast soil spray or foliar, on turf, farms, nurseries and gardens.

Tank order

Fill the tank one-third with water and agitate. Add Sigma Bio, Molasses, Microalgae, Biochar 5M, Seaweed, then K-Ferm, then the rest of the spray. Jar test new partners; avoid partners at pH 8 or higher.

Packaging: 2.5 gal (9.46 L) · 275 gal tote (1,041 L). Private label packaging on request.
Compatible with most fertilizers and crop protection products in the same tank. Store in the original container; protect from freezing.

Values from current Sigma product literature. Rates are general starting points; set rates from soil tests and site needs. Sigma products are not pesticides. Always read and follow the product label; confirm local registration.