

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

## Crop rates

| Use | Rate |
|---|---|
| Per application, soil or foliar | 64 oz / acre |
| In a spray or fertigation tank | 64 oz / 100 gal |
| Applications per season | 2 to 12, by crop |

Tank-mixed with the Sigma liquid package at each spray timing. See the crop-by-crop programs for each crop's schedule.

## When to apply

- At planting or transplant
- Early growth (2 to 6 leaf, or 3 to 5 weeks after emergence)
- Pre-bloom and first bloom
- Fruit set
- After each picking, and post-harvest for perennials

**Apply by:** In-furrow, transplant drench, drip and fertigation, broadcast soil spray or foliar.

## 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). 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. Crop rates are starting points; set rates per field from soil and tissue tests. Sigma products are not pesticides. Always read and follow the product label; confirm state registration.