

Driven by nature. Backed by science.

TURF MANAGEMENT · 2026

Foundation Program 2026

Granular and liquid foundation for golf

Create a cycle in the root zone with essential biologicals and the food sources that keep them colonizing. Prime the profile with granular, then keep it working with liquids that ride with every spray.

- **Granular:** OMRI-listed carriers with humic and fulvic acids, every prill inoculated.
- **Liquid:** six products, weekly rates, in the same tank as your fungicide or nutrient spray.
- **Flexible:** 7- to 30-day intervals; multiply the weekly rate.

Build your foundation today. Follow the science.

2026
Foundation
Program

The Sigma Foundation Program

Granular foundation · Liquid foundation · Notes from the field

Designed to help superintendents optimize plant growth and health during establishment and beyond. A cycle of essential biologicals and effective food sources in the root zone maximizes colonization and builds carbohydrate reserves.

1 · Prime the profile: granular foundation

Start with Sigma granular OMRI-listed fertilizers: organic acids (humic and fulvic), beneficial organic matter (poultry manure, bone meal, feather meal) and a base application of Sigma Bio. Apply during aerification or renovation to set up the season.

True granular

- SGN 250 fairway grade and SGN 110 fine grade
- Powder granulated with a molasses / lignin sulfonate binder: round, consistent bulk density
- Every prill individually inoculated with Sigma Bio

Main grades

- Sigma Bio 4-4-4
- Sigma Bio 2X 4-3-2
- Sigma Bio 6-2-6
- No-nitrogen: Sigma Bio 2X 0-2-13 (sunflower hull ash K_2O, high humic acid and calcium)

Conventional bridge blends

- 45–60 day release with biology, N-P-K and minors
- 12-2-6 Bio: sulfur-coated urea + 2-4-2 large grade
- 15-5-10 Bio: methylene urea, AMS + 2-4-2
- 16-2-3 Bio: PurKote + 1,400 lb 4-3-2 Bio 2X

Sigma 4-4-4 Bio rates (SGN 110 fine grade)

Rate	lb / acre	lb / 1,000 ft²	When
Low	300	6.9	Maintenance: every 30–45 days with topdressing, rolled into the canopy and watered in
Medium	545	12.5	Normal annual applications at aerification, worked into the surface: 2–3 per 12-month season
High	1,000	23	Establishment: direct to soil before seeding, sodding or sprigging

2 · Keep it working: liquid foundation

Compatible with fungicides, insecticides, PGRs, wetting agents and fertilizers in the same application, so the program runs as planned with no added labor or trips. Rates are per acre, per week.

Product · role	oz / A / wk	What it does
Sigma Bio Dormant inoculum	**11 oz**	Mycorrhizal fungi, Bacillus and Trichoderma in a dormant suspension that mixes with the active ingredients in your program.
Sigma Molasses Short-term food: sugars	**11 oz**	High-brix 100% cane molasses. Simple sugars for early colonization; low viscosity, usable in drip irrigation.
Sigma Microalgae Mid-range food: lipids, proteins	**22 oz**	Pasteurized single-cell algae, 10% organic matter. pH 3.5 buffers the local biome; secretions aggregate soil particles.
Sigma Biochar 5m Long-term home	**22 oz**	Wet-milled 5-micron biochar with 65% more surface area than other suspended biochar. Aggregation, moisture, a home for the biology.
Sigma Seaweed Long-term food: carbon, translocator	**44 oz**	40% organic matter, filtered 5X, pH 4.5. Improves uptake of Ca, Mg, Mn, Fe, B, Cu and Zn; stress tolerance and water efficiency.
Sigma K-Ferm Bioactive K uptake	**44 oz**	Sunflower hull ash hydrolysate: bioactive compounds and increased potassium uptake.

Notes from the field

- Rates are set on a 7-day interval. Programs run 7, 14, 21 and 30 days: multiply the weekly rates by 2, 3 or 4.
- Prime the system early in the season with low-rate, short-interval applications, then adjust the interval to your site.
- Product can sit on the leaf for 36 hours with no loss of efficacy; water in within 36 hours. Dormant inoculum to active colonization in about 3 days.
- On a nematicide program, apply 3 days after the nematicide to maximize root rebound (sting and root-knot sites).
- Beneficial for cool- and warm-season turf, landscape ornamentals and trees.

Nutrition note. The liquid foundation supplies little N-P-K by design, so the superintendent stays in control of nutrient quantity. Continue your normal feeding program.

Always jar test new tank partners.

Sigma Foundation Program products are not pesticides and do not replace fungicide, insecticide or nematicide programs; they are applied as a companion in the same tank. Always jar test, confirm state registration, and read and follow label directions.