TURF MANAGEMENT · SOD PRODUCTION

Sod Production Foundation Program

Planting, grow-in, harvest and field regeneration

Faster field turnover and higher-quality sod start in the soil profile. The Sigma Foundation Program stacks granular and liquid applications to build and sustain the beneficial biology in production fields.

- **Dense, strong sod:** stolon tensile strength, aggressive rhizomes, faster regrowth.
- **Fits the program you run:** compatible with most IPM and nutrient tank mixes, 21-day interval.
- **Return on investment:** less waste per load and less soil removed with each pallet.

Build your foundation today. Follow the science.

Sod

production fields
stage by stage

TURF MANAGEMENT · SOD PRODUCTION

Sod Production

Warm-season sod (bermudagrass, zoysiagrass, St. Augustinegrass)

From field preparation through harvest and regrowth. Granular and liquid applications are stacked to build and hold the beneficial biology in production fields, alongside the farm's existing nutrition and IPM program.

Builds

- Dense, high-quality sod
- Strong stolon tensile strength
- Aggressive rhizome development
- Faster regrowth after harvest

Rides with the farm program

- Same tank as fungicide, insecticide and herbicide sprays
- Healthier roots under nematode and insect pressure
- More efficient use of fertilizer and IPM inputs

Return on investment

- Less waste per harvested load
- Less soil removed with each pallet
- Faster field turnover
- Aligned with GCSAA and state BMP programs

Program components

Granular foundation. Sigma 4-4-4 Bio before planting and after each harvest; Sigma 12-2-6 Bio Bridge, 16-2-3 Bio Bridge SGN 250 or 4-4-4 Bio SGN 250 through grow-in; and the Double Bio rotation, Sigma 0-2-13 Bio 2X every 45 days. Sigma Bio is built into every granule.

Liquid foundation, every 21 days. Bio 33 + Molasses 33 + Microalgae 66 + Biochar 5m 66 + Seaweed 132 + K-Ferm 132 oz / acre (0.75 + 0.75 + 1.5 + 1.5 + 3 + 3 oz / 1,000 ft^2). On a 3-week interval Seaweed and K-Ferm run at the high rate. Compatible with most IPM and nutrient tank mixes.

Stage by stage

#	STAGE	SIGMA PRODUCT AND RATE	INTERVAL	HOW IT FITS
1	**Field preparation** After the last harvest or renovation; field leveled and prepped	**Sigma 4-4-4 Bio (high rate)** 1,000 lb / acre (23 lb / 1,000 ft^2)	Once, before sprigging, seeding or sodding	Incorporate into the top 2–3 in. before planting.
2	**Double Bio rotation** Every 45 days through the growing season, starting with green-up	**Sigma 0-2-13 Bio 2X (SGN 250)** 100–150 lb / acre (2.3–3.4 lb / 1,000 ft^2)	Every 45 days	Apply to dry turf with a calibrated rotary spreader. Irrigate 0.1–0.25 in. to move granules into the soil.
3	**Liquid program** At planting, then every 21 days in active growth	**Sigma Liquid Foundation (Bio, Molasses, Microalgae, Biochar 5m, Seaweed, K-Ferm)** Bio 33 + Molasses 33 + Microalgae 66 + Biochar 5m 66 + Seaweed 132 + K-Ferm 132 oz / acre	Every 21 days	Tank-mix with the planting-time fungicide, starter or scheduled IPM spray; jar-test; water in within 36 hours.
4	**Grow-in** Active growth after establishment	**Sigma 12-2-6 Bio Bridge (6–8 week release), or Sigma 16-2-3 Bio Bridge SGN 250 (up to 10 weeks), or Sigma 4-4-4 Bio SGN 250 (5–8 weeks)** 250 lb / acre (5.7 lb / 1,000 ft^2)	Every 45–60 days	Broadcast; irrigate 0.25 in. or time before rainfall.
5	**Harvest** Sod meets strength and density targets		Each cut	Check stolon tensile strength and rhizome mat before cutting
6	**Field regeneration** Right after each harvest	**Sigma 4-4-4 Bio (medium rate)** 545 lb / acre (12.5 lb / 1,000 ft^2)	Once after each harvest	Broadcast on the harvested field, then the next liquid application.

Measure: Stolon tensile strength at harvest; Days from harvest to field regrowth; Waste per harvested load; Soil removed per pallet; Fungicide applications per crop; Nitrogen per acre per crop.

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.