

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

5-3-2

Fine grade SGN 110

Sigma 5-3-2 Bio

Traffic and stress recovery with built-in biology

A straightforward 5-3-2 with humic acids and the full Sigma biology, for greens, tees and fairways when the soil needs extra attention: recovery from traffic, wear and stress. For aerification recovery, Sigma 4-4-4 Bio is the main recommendation.

Guaranteed analysis

Total nitrogen (N)	**5.0%**
Water-soluble nitrogen	**1.2%**
Water-insoluble nitrogen	**3.8%**
Available phosphate (P_2O_5)	**3.0%**
Soluble potash (K_2O)	**2.0%**
Calcium (Ca)	**7.0%**
Iron (Fe)	**0.1%**

Derived from processed poultry manure, bone meal, feather meal and sulfate of potash. *3.8% slowly available water insoluble Nitrogen (N) from processed poultry manure, bone meal and feather meal.

Biology and carbon

Humic acids	**3.0%**
Beneficial bacteria	**2,800,000 CFU / lb**
Endomycorrhizae	**6.1 propagules / lb**
Trichoderma	**480,000 CFU / lb**

GranCORE granule

Powder granulated into a true round granule with a molasses / lignin sulfonate binder: consistent bulk density and spread. Every prill is individually inoculated with Sigma Bio. OMRI-listed organic inputs.

Where it fits

- Spring and fall recovery from traffic and stress
- Divot and wear areas
- Midsummer stress management
- Overseeding nutrition and transition

Foundation Program rates (SGN 110 fine grades)

RATE	LB / ACRE	LB / 1,000 FT²	WHEN
Low	300	6.9	Every 30–45 days with topdressing, rolled in and watered
Medium	545	12.5	Traffic and stress recovery, worked in; 2–3 times per season
High	1,000	23	Establishment: direct to soil before seeding, sod or sprigs

Product per pound of nitrogen

TO APPLY	PRODUCT / 1,000 FT²	PER ACRE
0.25 lb N / 1,000 ft²	**5 lb**	218 lb / acre
0.5 lb N / 1,000 ft²	**10 lb**	436 lb / acre
0.75 lb N / 1,000 ft²	**15 lb**	653 lb / acre
1.0 lb N / 1,000 ft²	**20 lb**	871 lb / acre

Packaging: 50 lb poly bag (22.68 kg) · 2,000 lb tote (907 kg) · bulk load.
Application: calibrated rotary or drop spreader; irrigate 0.15–0.25 in. or time before rainfall. Store dry.

Values from the product label. Always read and follow the product label; confirm state registration.