

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

8-5-1

Large grade SGN 250

Sigma 8-5-1 Bio

Non-manure organic from animal proteins

A premium no-manure blend made entirely from high-quality animal proteins (meat and bone meal), with humic acids and the Sigma biology. High nitrogen with a steady 8–12 week feed.

Guaranteed analysis

Total nitrogen (N)	**8.0%**
Water-soluble nitrogen	**1.25%**
Water-insoluble nitrogen	**6.75%**
Available phosphate (P_2O_5)	**5.0%**
Soluble potash (K_2O)	**1.0%**
Calcium (Ca)	**5.0%**

Derived from meat and bone meal. *6.75% slowly available water insoluble Nitrogen (N) from meat and bone 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

- Sites that want a manure-free organic
- Turf requiring higher nitrogen
- Steady 8–12 week release

Label application rates · turf

USE	LB / 1,000 FT²	LB / ACRE	N / 1,000 FT²
Golf · low	**6**	**261**	**0.50 lb**
Golf · medium	**9**	**392**	**0.75 lb**
Golf · high	**12**	**523**	**1.0 lb**
Lawns · medium	**9**	**392**	**0.75 lb**
Lawns · high	**12**	**523**	**1.0 lb**

Trees and palms: per inch of trunk caliper, 3 lb incorporated at transplanting or 6 lb broadcast.

Product per pound of nitrogen

TO APPLY	PRODUCT / 1,000 FT²	PER ACRE
0.25 lb N / 1,000 ft²	**3.1 lb**	136 lb / acre
0.5 lb N / 1,000 ft²	**6.2 lb**	272 lb / acre
0.75 lb N / 1,000 ft²	**9.4 lb**	408 lb / acre
1.0 lb N / 1,000 ft²	**12.5 lb**	544 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.