

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

8-5-1

Large grade SGN 250

Sigma 8-5-1 Bio

Manure-free organic nitrogen from animal proteins

A premium no-manure blend made entirely from high-quality animal proteins, with humic acids and the Sigma biology. High nitrogen with a steady 8 to 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

- Manure-free organic nitrogen
- Early-season feeding for lawns, gardens and crops
- Trees at planting: 3 lb per inch of trunk caliper, incorporated
- Orchards and vineyards at bud break

General application rates

USE	SIGMA 8-5-1 BIO
Lawns and turf · 0.5 lb N / 1,000 ft^2	6.2 lb / 1,000 ft^2
Lawns and turf · 1 lb N / 1,000 ft^2	12.5 lb / 1,000 ft^2
Gardens and beds · 1 lb N / 1,000 ft^2	1.2 lb / 100 ft^2
Field crops · 50 lb N / acre	625 lb / acre
Field crops · 100 lb N / acre	1,250 lb / acre

Rates by nitrogen target. Golf, sports turf and farm programs have their own data sheets with detailed rates.

Packaging: 50 lb poly bag (22.68 kg) · 2,000 lb tote (907 kg) · bulk. Private label bags and blends on request.
Application: Broadcast with a rotary or drop spreader, incorporate into beds and mixes, or band at planting. Water in or time before rain. Store dry.

Values from the product label. Rates are general starting points; set rates from soil tests and site needs. Always read and follow the product label; confirm local registration.