

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 (meat and bone meal), 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

- Organic farms that want a manure-free nitrogen source
- Early-season side-dress for vegetables and row crops
- Orchards and vineyards at bud break
- Hay and pasture at green-up
- Trees at planting: 3 lb per inch of trunk caliper, incorporated

In Sigma season plans

CROP GROUP	STAGE	HOW
Row crops	Early season	Side-dress
Orchards & vineyards	Bud break	Banded
Hay & pasture	Green-up	Broadcast

Product per acre by nitrogen target

NITROGEN TARGET	SIGMA 8-5-1 BIO
40 lb N / acre	500 lb / acre
100 lb N / acre	1,250 lb / acre
150 lb N / acre	1,875 lb / acre
200 lb N / acre	2,500 lb / acre

Packaging: 50 lb poly bag (22.68 kg) · 2,000 lb tote (907 kg) · bulk load.
Application: Broadcast and incorporate before planting, band at planting, or side-dress in season; blend into potting and bed mixes. Store dry.

Values from the product label. Crop rates are starting points; set rates per field from soil and tissue tests. Always read and follow the product label; confirm state registration.