

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

2-4-2

Large grade SGN 250

Sigma 2-4-2 Bio 2X

Extra humate and 2X biology: the root-zone builder

A base 2-4-2 with 10% humate, the heavier 2X dose of Sigma biology and 10% calcium. Use on its own to build the root zone, or as the biological base of the Sigma bridge blends.

Guaranteed analysis

Total nitrogen (N)	**2.0%**
Water-soluble nitrogen	**0.68%**
Water-insoluble nitrogen	**1.32%**
Available phosphate (P_2O_5)	**4.0%**
Soluble potash (K_2O)	**2.0%**
Calcium (Ca)	**10.0%**
Magnesium (Mg)	**0.6%**
Iron (Fe)	**0.15%**

Derived from composted poultry manure and feather meal. * 1.32% slowly available water insoluble nitrogen from composted poultry manure and feather meal.

Biology and carbon

Humate	**10.0%**
Beneficial bacteria	**4,200,000 CFU / lb**
Endomycorrhizae	**9.4 propagules / lb**
Trichoderma	**716,000 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

- Pre-plant: incorporate 2–3 weeks before planting
- Root-zone building and renovation
- Biological base of 12-2-6 and 15-5-10 bridge blends
- Low-input maintenance programs

Label application rates · turf

USE	LB / 1,000 FT²	LB / ACRE	N / 1,000 FT²
Golf · low	**25**	**1,089**	**0.50 lb**
Golf · medium	**37.5**	**1,634**	**0.75 lb**
Golf · high	**50**	**2,178**	**1.0 lb**
Lawns · medium	**37.5**	**1,634**	**0.75 lb**
Lawns · high	**50**	**2,178**	**1.0 lb**

Trees and palms: per inch of trunk caliper, 12.5 lb incorporated at transplanting or 25 lb broadcast.

Product per pound of nitrogen

TO APPLY	PRODUCT / 1,000 FT²	PER ACRE
0.25 lb N / 1,000 ft²	**12.5 lb**	544 lb / acre
0.5 lb N / 1,000 ft²	**25 lb**	1,089 lb / acre
0.75 lb N / 1,000 ft²	**37.5 lb**	1,634 lb / acre
1.0 lb N / 1,000 ft²	**50 lb**	2,178 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.