

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

4-3-2

Large grade SGN 250

Sigma 4-3-2 Bio 2X

Extra humate and 2X biology for rebuilding root zones

A 4-3-2 from processed poultry manure with 7% calcium, 6% humic acids (twice our standard grades) and the heavier 2X dose of Sigma biology. Built for root-zone rebuilding, grow-ins and aggressive cultural programs.

Guaranteed analysis

Total nitrogen (N)	**4.0%**
Water-soluble nitrogen	**1.2%**
Water-insoluble nitrogen	**2.8%**
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 and leonardite. * 2.8% slowly available water insoluble nitrogen from processed poultry manure.

Biology and carbon

Humic acids	**6.0%**
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.

Where it fits

- Grow-ins and sand root-zone construction
- Root-zone rebuilding on tired soils
- Aggressive cultural programs and aerification
- Biological base for Bridge blends

Label application rates · turf

USE	LB / 1,000 FT²	LB / ACRE	N / 1,000 FT²
Golf · low	**10**	**436**	**0.50 lb**
Golf · medium	**15**	**653**	**0.75 lb**
Golf · high	**20**	**871**	**1.0 lb**
Lawns · medium	**15**	**653**	**0.75 lb**
Lawns · high	**20**	**871**	**1.0 lb**

Trees and palms: per inch of trunk caliper, 5 lb incorporated at transplanting or 10 lb broadcast.

Product per pound of nitrogen

TO APPLY	PRODUCT / 1,000 FT²	PER ACRE
0.25 lb N / 1,000 ft²	**6.2 lb**	272 lb / acre
0.5 lb N / 1,000 ft²	**12.5 lb**	544 lb / acre
0.75 lb N / 1,000 ft²	**18.8 lb**	817 lb / acre
1.0 lb N / 1,000 ft²	**25 lb**	1,089 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.