

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 it on its own to build soil, or as the biological base blended into conventional fertilizer.

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

- Soil building and renovation
- Pre-plant: incorporate before seeding or planting
- Biological base for blends and Bridge products
- Low-input maintenance programs
- Potting, garden and bed mixes

General application rates

USE	SIGMA 2-4-2 BIO 2X
Lawns and turf · 0.5 lb N / 1,000 ft²	25 lb / 1,000 ft²
Lawns and turf · 1 lb N / 1,000 ft²	50 lb / 1,000 ft²
Gardens and beds · 1 lb N / 1,000 ft²	5 lb / 100 ft²
Field crops · 50 lb N / acre	2,500 lb / acre
Field crops · 100 lb N / acre	5,000 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.