

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

4-4-4

Large grade SGN 250 · Fine grade SGN 110

Sigma 4-4-4 Bio

Balanced organic fertilizer with built-in biology

Our most popular blend: a balanced 4-4-4 with calcium, iron, humic acids and the full Sigma biology. The general-purpose grade for turf, farms and gardens.

Guaranteed analysis

Total nitrogen (N)	4.0%
Ammoniacal nitrogen	0.2%
Other water-soluble nitrogen	0.6%
Water-insoluble nitrogen	3.2%
Available phosphate (P_2O_5)	4.0%
Soluble potash (K_2O)	4.0%
Calcium (Ca)	6.0%
Iron (Fe)	0.1%

Derived from processed poultry manure, bone meal, feather meal and sulfate of potash. *3.2% slowly available water insoluble Nitrogen (N) from processed poultry manure, bone meal and feather 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

- Golf courses, lawns, landscapes and sports turf
- Vegetable gardens and raised beds
- Trees, shrubs, orchards and berries
- Potting, field and raised-bed mixes
- A balanced base for retail and private label

General application rates

USE	SIGMA 4-4-4 BIO
Lawns and turf · 0.5 lb N / 1,000 ft²	12.5 lb / 1,000 ft²
Lawns and turf · 1 lb N / 1,000 ft²	25 lb / 1,000 ft²
Gardens and beds · 1 lb N / 1,000 ft²	2.5 lb / 100 ft²
Field crops · 50 lb N / acre	1,250 lb / acre
Field crops · 100 lb N / acre	2,500 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.