

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 performance fertilizer for turf

Our most popular blend: a balanced 4-4-4 with calcium, iron, humic acids and the full Sigma biology to fuel turf and recharge depleted soils. The base granular of the Foundation Program for greens, tees, fairways, fields and lawns.

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

- Aerification and recovery: the main Sigma granular (SGN 110 fine turf, SGN 250 large areas)
- Midsummer stress management
- Winter dormant feeding
- Cool-season overseeding and warm-season transition
- Establishment: high rate before seeding, sodding or sprigging

Foundation Program rates (SGN 110 fine grades)

RATE	LB / ACRE	LB / 1,000 FT²	WHEN
Low	300	6.9	Every 30–45 days with topdressing, rolled in and watered
Medium	545	12.5	At aerification, worked in; 2–3 times per season
High	1,000	23	Establishment: direct to soil before seeding, sod or sprigs

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.