

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

5-3-2

Large grade SGN 250 · Fine grade SGN 110

Sigma 5-3-2 Bio

Steady organic nitrogen with built-in biology

Fast- and slow-release organic nitrogen with humic acids and the full Sigma biology. Built for steady feeding through the vegetative stretch and for soils that need biological help.

Guaranteed analysis

Total nitrogen (N)	5.0%
Water-soluble nitrogen	1.2%
Water-insoluble nitrogen	3.8%
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, bone meal, feather meal and sulfate of potash. *3.8% 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

- Side-dress during vegetative growth (weeks 2 to 6)
- All crops: steady nitrogen without a growth surge
- Orchards and berries at bloom and set
- Nursery and container crops while growing on
- Hay and pasture between cuttings

In Sigma season plans

CROP GROUP	STAGE	HOW
Vegetables & greenhouse	Vegetative, weeks 2 to 6	Side-dress
Orchards & vineyards	Bloom and set	Banded
Hay & pasture	Between cuttings	Broadcast after cutting
Nursery & ornamentals	Growing on	Top-dress

Product per acre by nitrogen target

NITROGEN TARGET	SIGMA 5-3-2 BIO
40 lb N / acre	800 lb / acre
100 lb N / acre	2,000 lb / acre
150 lb N / acre	3,000 lb / acre
200 lb N / acre	4,000 lb / acre

Packaging: 50 lb poly bag (22.68 kg) · 2,000 lb tote (907 kg) · bulk load.
Application: Broadcast and incorporate before planting, band at planting, or side-dress in season; blend into potting and bed mixes. Store dry.

Values from the product label. Crop rates are starting points; set rates per field from soil and tissue tests. Always read and follow the product label; confirm state registration.