

Driven by nature. Backed by science.

TECHNICAL DATA SHEET

0-2-13

Large grade SGN 250 · Fine grade SGN 110

Sigma 0-2-13 Bio 2X

Potassium and 2X biology, zero nitrogen

High potash from sunflower hull ash with calcium, humic acids and the heavier 2X dose of Sigma biology, and no nitrogen. Part of the Double Bio line: a 45-day rotation keeps the root zone colonized without pushing top growth, alongside any nitrogen program.

Guaranteed analysis

Available phosphate (P_2O_5)	**2.0%**
Soluble potash (K_2O)	**13.0%**
Calcium (Ca)	**7.0%**
Magnesium (Mg)	**0.5%**

Derived from processed poultry manure and sunflower hull ash.

Biology and carbon

Humic acids	**3.0%**
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

- Double Bio rotation: every 45 days at 100–150 lb per acre on all turf areas
- Summer stress and heat tolerance on greens and tees
- Fall hardening and winter preparation
- Potassium on sand-based greens and fields that leach K
- When the nitrogen budget is already met

Label application rates · turf

USE	LB / 1,000 FT²	LB / ACRE	K_2O / 1,000 FT²
Golf · low	**1.9**	**83**	**0.25 lb**
Golf · medium	**3.85**	**168**	**0.5 lb**
Golf · high	**7.7**	**335**	**1.0 lb**
Turf · medium	**3.85**	**168**	**0.5 lb**
Turf · high	**7.7**	**335**	**1.0 lb**

High rates on the label run 7.7 to 15.4 lb per 1,000 ft² (1 to 2 lb K_2O) where soil tests call for more potassium.

Product per pound of potash (K_2O)

TO APPLY	PRODUCT / 1,000 FT²	PER ACRE
0.25 lb K_2O / 1,000 ft²	**1.9 lb**	84 lb / acre
0.5 lb K_2O / 1,000 ft²	**3.8 lb**	168 lb / acre
0.75 lb K_2O / 1,000 ft²	**5.8 lb**	251 lb / acre
1.0 lb K_2O / 1,000 ft²	**7.7 lb**	335 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.