



## ENCAP® Professional Product Specifications

One of the most important considerations for the uniform application of products is the physical characteristics of the products. Encap® utilizes equipment from FEECO International (Green Bay, Wisconsin), which has been manufacturing equipment for the inorganic and organic fertilizer industry since 1951. Several of the most critical parameters are summarized below:



Above: FEECO International's lab facility, Green Bay, WI.

**SGN** – Size Guide Number is a number that defines the mean particle size of a granular material for the purpose of size matching materials in blending operations. Median particle diameter is the diameter corresponding to 50% retained by weight in a cumulative sieve analysis.  $SGN = \text{median particle diameter in mm} \times 10$

**UI** – Uniformity Index is a rating of the uniformity of size of particles of a granular material. It is a dimensionless ratio of the particle size corresponding to 95% retained by weight to the particle size corresponding to 10% retained by weight in a cumulative sieve analysis of the material. It is the size ratio of small particles to large particles.

**Bulk Density** - Ratio of granular material mass to unit of volume (lb/ft<sup>3</sup>).

Based on testing completed at FEECO International, the products specifications for ENCAP® products were determined and are summarized in the table below.

ENCAP PRODUCT	SGN	UI (Uniformity)	Bulk Density (lb/ft <sup>3</sup> )
Lawn Starter™ Pro	238	16.2	34.0
Slope Keeper™	266	26.9	34.4
PAM-12® Plus	266	26.9	34.4
Lime	80	22.0	73.4
Gypsum	214	43.9	62.5
Iron	279	46.0	69.9
Sulfur	220	46.1	69.5