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## PRODUCT SPECIFICATIONS SHEET SUPER B SUB

*Bacillus subtilis* Fermentation Product 1B/gm

**Description:** SUPER B.SUB is a special *Bacillus subtilis* fermentation product designed to provide guaranteed microbial plate count for animal feed applications. SUPER B.SUB is useful when preparing products where a heat stable microbial is required, such as pelleting. SUPER B.SUB can be mixed with other DFM (Direct-fed Microbial) ingredients or used as a stand-alone ingredient as suggested in the recommended usage.

**Ingredients:** Dried *Bacillus subtilis* fermentation product, cellulase from *Trichiderma longibrachiatum*, and bacterial amylase from *Bacillus licheniformis*.

**Guaranteed Analysis:** Crude protein, greater than 12%. Crude fat, greater than 5%. Crude fiber, greater than 8%. Moisture, less than 10%.

**Specifications:** Total plate count of *Bacillus subtilis* not less than 1 billion cfu/gm, Cellulase 1050 CU/gm and Alpha Amylase 640 BAU/gm.

### Unit Definitions:

**Cellulase** - One cellulase unit is defined as the amount of activity that will produce a relative fluidity change of 1 in 5 minutes in a defined carboxymethyl cellulose substrate under the conditions of the assay (pH4.5 and 40°C).

**Bacterial Amylase** - One bacterial amylase unit (BAU) is defined as that quantity of enzyme which will dextrinize one milligram of starch per minute at pH 6.6 and 30°C.

### Recommended usage levels:

**Dairy:** Calculate feeding rate to give 3 grams per head per day starting 30 days before freshening and continuing throughout the lactation cycle. For calves, feed 1 gram/head/day starting at first solid feed. For non-lactating dairy cattle, feed 2 grams/head/day.

**Beef:** Feed 2 grams/head/day. For calves feed 1 gram/head/day.

**Swine:** Feed 1-3 lbs/ton (.5-1.5 Kgs./MT) of finished feed to all classes starting at first solid feed.

**Poultry:** Layers-Feed 1-3 lbs/ton (.5-1.5 Kgs./MT) of finished feed starting at first egg laying. Broilers- 2-3 lbs/ton (1Kg./MT) of finished feed starting at first solid feed.

**Package Sizes:** 25 kg. and 50 lb. multi-walled bag or boxes.

**Storage Conditions:** Store in a cool, dry place. Consult Safety Data Sheet for specific handling recommendations.

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program [www.safefeedsafefood.org](http://www.safefeedsafefood.org)

MADE IN USA

