



Superferm™

Composition and Appearance:

- Ingredients: Fully autolyzed yeast products, DAP (25%), vitamins (calcium pantothenate, biotin, thiamin, inositol, pyridoxine).
- Tan, hygroscopic powder with somewhat yeasty aroma

Purpose:

- Complex nutrient for yeast fermentation
- Helps prevent stuck or sluggish fermentations
- Promotes yeast growth, viability, and long-term survival
- Increases alcohol tolerance of yeast
- Helps prevent H₂S and volatile acidity formation during fermentation
- Promotes more complete utilization of nutrients
- Improves aromas and flavors by balancing amino acid usage

Typical Dosage Rate:

- 300-500 ppm (2.5-4 lb/1000 gallons), providing 9.6 ppm available nitrogen in 120 ppm (1 lb/1000G)
- Legal limit 525 ppm (4.3 lb/1000G)
- Dose depends on must nitrogen content, see charts in BSG catalog
- IMPORTANT: Nitrogen-deficient musts require EXTRA DAP plus Superferm
- Please note that the laws regarding the permitted use of these products vary depending on the jurisdiction. Local regulations should always be consulted with respect to specific applications and necessary declarations.

Preparation and Use:

- Stir into water or juice before adding, to aid in dispersal.
- Break total dose into portions, add in stages (SEE BSG CATALOG):
 - Stage 1: At yeast inoculation if juice YAN is 150 ppm or less
 - Stage 2: During first half of fermentation
 - Stage 3: At mid-fermentation
- For uninoculated fermentations, begin adding nutrients when *Saccharomyces* yeasts are growing (examine under microscope or wait for a clean, yeasty-smelling fermentation to begin).

General Points:

- Contains DAP and other ingredients not permitted for organic wine

Shelf Life and Stability:

- Store tightly closed at cool room temperature (20 C/68 F or below) in a dry place.
- Hygroscopic, will form lumps if exposed to air. Discard if lumps form that cannot be broken easily into powder, or if an unpleasant aroma develops.
- Can be used for 2 years if it is still in powder form and retains a clean, yeasty aroma.
- Shelf life may be reduced if stored at a warmer temperature and/or in humid conditions, or if stored in contact with air.

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Safety Information:

- Skin and eye irritant; wear eye protection, dust mask, and coat

GMO STATEMENT:

To the best of our knowledge and the knowledge of the supplier or manufacturer of the ingredients, no GMO's are used in the preparation or manufacture of any of our nutrient products.

VEGAN STATEMENT:

It is our internal assessment that this product is produced with ingredients not made from animals or animal byproducts and are not tested on animals which we believe satisfies the spirit and definition of Vegan.

FOOD GRADE STATEMENT:

All ingredients used in Superferm™ are safe for food use and meet the requirements listed in the Food Chemical Codex.

ALLERGENS

Contains:	Yes	No
Cereals containing gluten or gluten products		x
Crustaceans or crustacean products		x
Eggs or egg products		x
Fish or fish products		x
Peanuts or peanut products		x
Soybeans or soybean products		x
Milk or dairy products (including lactose)		x
Nuts or nut products		x
Sesame seeds or sesame seed products		x
Royal jelly or royal jelly products		x
Bee pollen or bee pollen products		x
Bee propolis or bee propolis products		x
Celery or celery products		x
Mustard or mustard products		x
Sulfite concentrations greater than 10mg/kg		x
Yeast or yeast products	x	



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For technical assistance:
Please visit our website
bsgwine.com
or call 800.585.5562