



## Product Description

**MicroEssentials Prime** is a yeast rehydration nutrient. It is a rich mixture of organic nitrogen, vitamins and trace minerals. **MicroEssentials Prime** offers a substantial amount of pure organic nitrogen to aid in yeast rehydration and overall fermentation kinetics.

## Application

**MicroEssentials Prime** is designed for multiple applications and is intended to be used in conjunction with our other **MicroEssentials nutrients**. It's main applications are nutrient additions during rehydration and restart to promote better yeast health. **MicroEssentials Prime** can also be added where complex nutrients are needed but DAP is not desired. **MicroEssentials Prime** provides 12.4ppm pure organic nitrogen at 2lbs/1000gal.

## Instructions for Use

Add **MicroEssentials Prime** to the yeast rehydration medium at 2lbs/1000gal. Adding 2lbs/1000gal of **MicroEssentials Prime** eliminates further addition of vitamins and minerals and replaces 1lbs/1000gal of **MicroEssentials Powder**.

For rehydration see the attached protocol, our wine catalog or visit [www.gusmerwine.com](http://www.gusmerwine.com).

**Technical Data**

- Addition Level
  - Recommended dosage is 2 lbs / 1,000 gal
- Storage and Shelf Life
  - Store under cool and dry conditions is recommended
  - Shelf life is 24 months unopened and 3 months opened.
- Appearance
  - Tan colored powder with yeast-like aroma

**Packing**

MicroEssentials Prime is available in 1kg and 10kg boxes.

**Product Specifications**

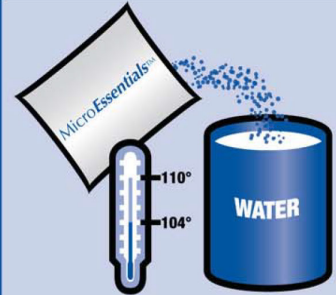
Typical Analysis	Specification
Nitrogen	7 - 10%
Moisture (probe)	6% max
Ash	10 - 15%

Microbiological	Specification
Total Bacteria Count	< 15,000 / g
Yeast and Mold	< 100 / g
Coliform Organisms	< 10 / g
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative

**MicroEssentials™ - Prime Usage Notes:**

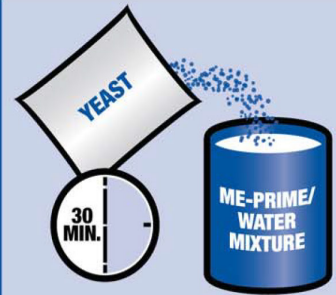
**STEP 1**

Add ME-Prime (2lb/1000gal) to 20x its own weight in 110°F water  
 Mix and allow temperature to drop to 104°F



**STEP 2**

Add desired Yeast Inoculum (2lb/1000gal) to the ME-Prime/Water mixture  
 Mix and allow to rehydrate for 30 minutes



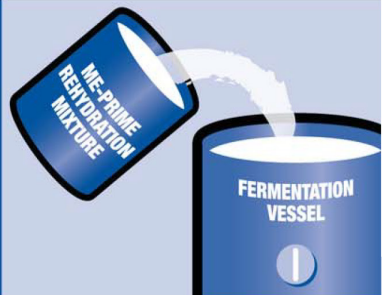
**STEP 3**

Add an equal volume of must to the ME-Prime rehydration mixture over 5 min.



**STEP 4**

Add slurry to the Fermentation Vessel



**Important Note:** Gusmer Enterprises, Inc. provides this information to the best of our knowledge. This information does not claim to be complete and Gusmer Enterprises, Inc. cannot assume liability for improper use. All users are advised to test products to meet their specific needs.