



Introducing A New Wine Making Essential...

MicroEssentials™



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.



TECHNICAL DATA

- ◇ Addition Level
 - ▶ Recommended dosage is 2lbs/1000gal
- ◇ Storage and shelf Life
 - ▶ Storage under cool and dry conditions is recommended.
 - ▶ The 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

The information contained herein is to our knowledge accurate and is provided in good faith; however, no warranty, guarantee or freedom from patent infringement is implied or inferred. This information is offered solely for your consideration and verification.

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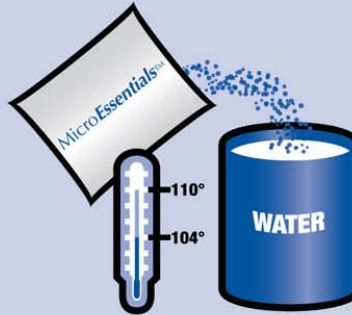


MicroEssentials™ - Prime Usage Notes:

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



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