



# COMMODITY NUTRIENT PROFILE

## BREWERS LIQUID YEAST

### DESCRIPTION

Brewers Yeast is undried, fermentative, non-extracted yeast (botanical classification "saccharomyces") resulting from the brewing of ale beer. A hot water extract (wort) is made from high-quality cereal grains. The resulting "sugars" from the converted cereal carbohydrates are acted on by selected strains of Brewers Yeast, and the "wort" sugars ferment. After the fermentation, the yeast is separated by decantation, filtration or centrifuging, and the now-fermented wort or "green beer" is aged to ale or (lager) beer. The yeast that has grown and multiplied during the fermentive process, and subsequently separated from the "wort", is produced in sufficient amount for the next brewing cycle and surplus is available for human food or livestock feed.

### USE AND APPLICATION

Brewers Yeast has long been recognized as an excellent natural protein source. Experimental data indicates the favorable influence of Brewers Yeast upon the use and intake of farm forages by livestock. Many livestock producers have also found that Brewers Yeast can be very useful to increase the moisture content of dry, overly mature forages being ensiled.

Brewers Yeast is to be considered as a component of a balanced program, and like all palatable feeds, livestock should be brought gradually onto it. A typical beef cattle finishing feeding program may utilize 2.5 to 5kg (5 to 10lbs) of Brewers Yeast per head, per day. The feeding level represents a range of 250 to 500gm (1/2-1lb) of dry matter. Brewers Yeast may be fed to dairy cattle in similar quantity as for beef, and ideally it would be incorporated in the total mixed ration.

### STORAGE AND HANDLING

Being a liquid, Brewers Yeast is stored in vats or suitable tanks varying from 2000 to 5000 gallon capacity. As the yeast cells may tend to settle, some form of agitation (pump, impeller, or air stream) may be required. Depending on the tank positioning, either gravity flow or some means of pumping

### TYPICAL ANALYSIS

	DMB	As Fed
Dry Matter	100.0%	12.0%
Crude Protein	45.0%	5.4%
Fat	4.0%	0.48%
ADF	4.0%	0.48%
NDF	8.0%	0.96%
Calcium	0.08%	0.01%
Phosphorus	1.66%	0.20%
Ash	8.0%	0.96%
TDN	78.0%	9.4%
NE <sub>L</sub>	1.91 Mcal/kg	0.23 Mcal/kg
NE <sub>m</sub>	1.84 Mcal/kg	0.22 Mcal/kg
NE <sub>g</sub>	1.27 Mcal/kg	0.15 Mcal/kg

\* Listed data are average values only and not considered as guarantees, expressed, or implied, nor as a condition of sale. For guaranteed specifications refer to feed label.

will be needed. Properly stored yeast can be fed without difficulty over normally-experienced temperature ranges, but a sheltered location and/or insulated tanks are an asset to protect the feedstuff from summer or winter temperature extremes.



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