



YEAST NUTRIENT ADDITIONS

<i>Nutrient</i>	<i>Standard Addition lb/1000gal</i>	<i>YAN Contribution at 1lb/1000gal</i>
Nutrifer Energy	1 lb	16 ppm N
Nutrifer Arom	2 lb	22 ppm N
Nutrifer Advance	2 lb	18 ppm N
Celferm	1 lb	0
DAP (Diammonium Phosphate)	2.5 lb	25 ppm N
Yeast Hulls	1-3 lb	2 ppm N

Any of these materials should be dispersed in water before mixing into juice

DAP: 2-4 lb/gallon of cold water

Other nutrients: 1-2 lb/gallon of lukewarm water.

Nutrients should be added in the juice stage for yeast uptake and storage early in the growth cycle. Presence of alcohol later in the fermentation interferes with uptake of nitrogen compounds making late additions ineffective for yeast growth.

Yeast hulls (essentially insoluble cell membranes) provide lipids and serve to bind autotoxic yeast metabolites and therefore can be added early or late in fermentations.