

Yeast Lightning



Our yeast nutrient blend, tailored for beer fermentations.

While wort contains most of the nutrition needed by yeast, supplying your yeast with a nutrient blend can improve post-ferment viability, improve fermentation consistency, and help you get more generations out of your liquid yeast.

About Yeast Lightning:

In comparison to other products, Yeast Lightning is soy-free, contains no diammonium phosphate, and contains sufficient micronutrients to compensate for any variation in your malt and water supply.

- Reduces off flavours associated with poor yeast nutrition, such as high levels of volatile sulfur
- Soy Free: This product is based on yeast extract and vegetable peptone.
- Shelf Life for this product is 1 year from package date.



Instructions for use:

The typical dosage rate is 4 g/hL (5 g/bbl) for most beer worts to provide optimal nutrition for yeast fermentation. For non-beer applications such as hard seltzer, increase the dosage rate 2x and supplement the fermentation with 180 ppm of free amino nitrogen (FAN). Yeast Lightning should be dosed into wort at the end of boiling and prior to cooling. Store below 30°C (86°F).



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See the difference that *Yeast Lightning* can make:

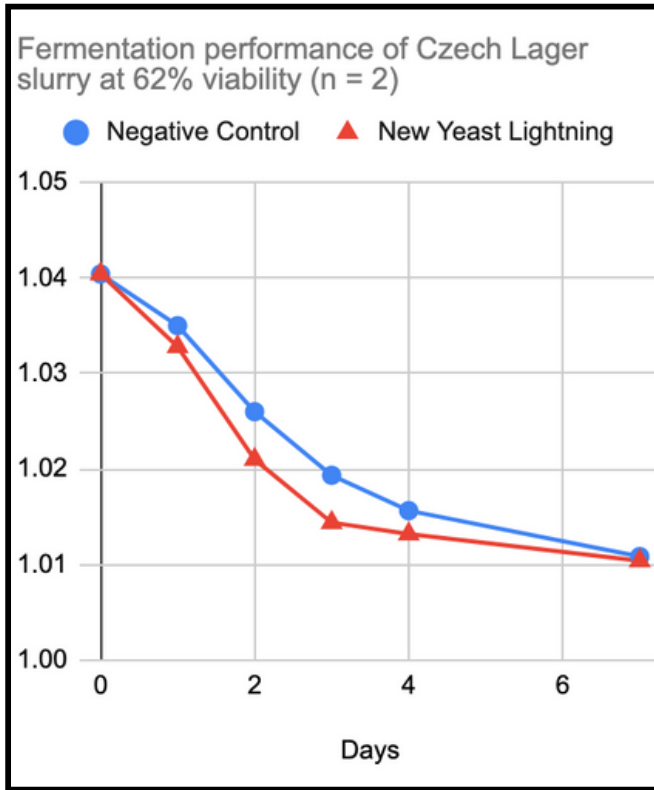


Table 1:

Results from a comparison of standardized wort fermented using aged Czech Lager yeast at 62% viability, with and without Yeast Lightning.

All other variables were consistent and experiment was performed in duplicate.

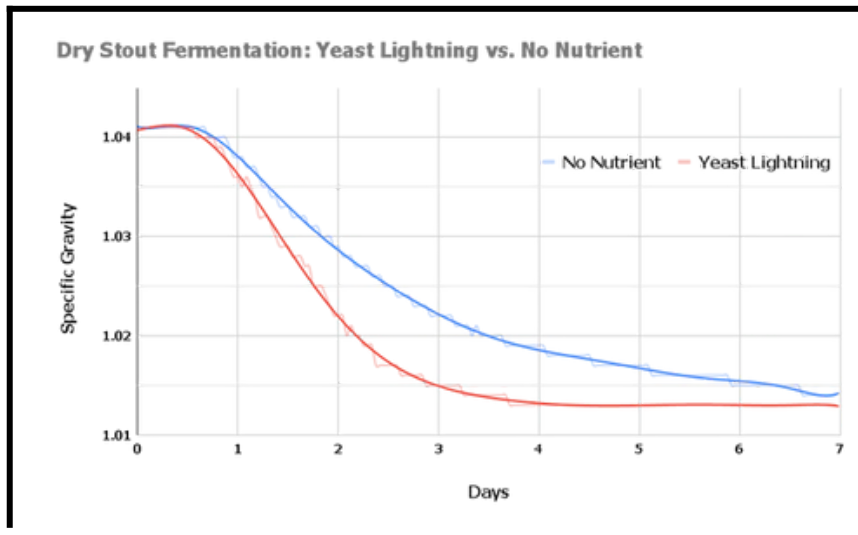


Table 2:

Results from a comparison of dry stout wort fermented using Irish Ale, with and without Yeast Lightning.

All other variables were consistent. The fermentation was monitored using iSpindel devices.



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Table 3: Price Comparison

Product	Ingredients	Dosage Rate (g/hL)	Unit Size (kg)	Unit Price	Cost per hL
Yeast Lightning - Standard Rate	Yeast Extract, Vegetable Peptone	4	0.5	\$99.00	\$0.79
Yeast Lightning - High Rate	Yeast Extract, Vegetable Peptone	8	0.5	\$99.00	\$1.58
Yeast Lightning - Low Rate	Yeast Extract, Vegetable Peptone	2	0.5	\$99.00	\$0.40
Yeast Lightning - Standard Rate	Yeast Extract, Vegetable Peptone	4	2	\$349.00	\$0.70
Yeast Lightning - High Rate	Yeast Extract, Vegetable Peptone	8	2	\$349.00	\$1.40
Yeast Lightning - Low Rate	Yeast Extract, Vegetable Peptone	2	2	\$349.00	\$0.35



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Table 4: Recommended dosing rate for Beer

4 g/hL (5 g/bbl)

Beer does not typically require excess free amino nitrogen addition.

Batch Size	Yeast Lightning	Batches per 500 g nutrient
1 hL	4 g	125
5 hL	20 g	25
10 hL	40 g	12
15 hL	60 g	8
20 hL	80 g	6
40 hL	160 g	3

Table 5: Recommended dosing rate for Seltzer and Cider

8 g/hL (9.6 g/bbl) + 180ppm of diammonium phosphate

FAN For seltzer and hard cider, additional free amino nitrogen is required.

Batch Size	Yeast Lightning	Diammonium Phosphate (DAP)	Batches per 500 g nutrient
1 hL	8 g	84 g	62
5 hL	40 g	420 g	12
10 hL	80 g	840 g	6
15 hL	120 g	1260 g	4
20 hL	160 g	1680 g	2
40 hL	320 g	3360 g	1

