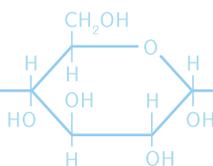


Novozymes LpHera®

Drawing a better line through your entire process



Dropping liquefaction pH levels to 4.5-4.8 while boosting dextrose levels an extra 0.2% points, LpHera® offers starch processors the lowest possible total cost of conversion – and launches a whole new era of low-pH liquefaction.



High fructose syrup

Cut pH chemicals by more than 50%

Doing liquefaction at pH 4.5-4.8 instead of pH 5.5 drives a pH chemical reduction in liquefaction and saccharification of over 50%.

Cut energy and water by 7%

Boosting dextrose by an extra 0.2% points leads to a more cost-efficient evaporation process, where you can save 7% energy and water.

Crystalline dextrose

Drive crystallization yields by up to 0.6% points

LpHera® prepares for 0.2% points more dextrose and less DP3, which leads to a significantly higher crystallization yield.

Cut pH chemicals by more than 50%

Doing liquefaction at pH 4.5-4.8 instead of pH 5.5 drives a pH chemical reduction in liquefaction and saccharification of over 50%.

Fermentation products

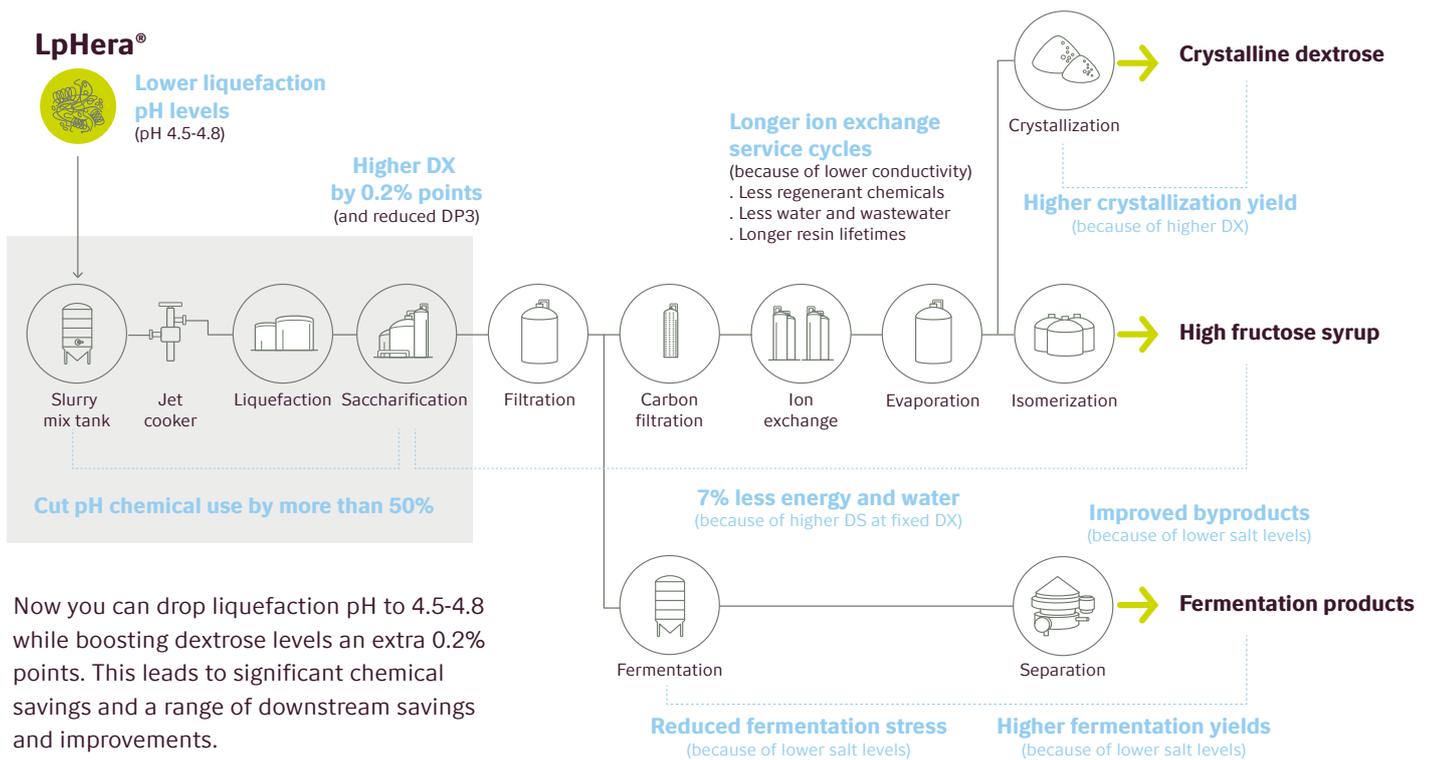
Drive higher fermentation yields

Boosting dextrose increases fermentation yield. Less pH chemicals means less yeast stress and improved quality of byproducts.

Cut pH chemicals by more than 50%

Doing liquefaction at pH 4.5-4.8 instead of pH 5.5 drives a pH chemical reduction in liquefaction and saccharification of over 50%.

LpHera[®] offers a range of downstream savings and improvements



Now you can drop liquefaction pH to 4.5-4.8 while boosting dextrose levels an extra 0.2% points. This leads to significant chemical savings and a range of downstream savings and improvements.

Drawing a better line through your entire process

Get ahead

Staying ahead of the dynamic food and beverage market requires the best technology and expertise to become even more flexible, efficient and profitable. With LpHera[®] and our knowhow, Novozymes can support you on that journey. Let's transform the quality and sustainability of your business.

About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

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