

	PROCESS AID	FORMAT	ACTIVITY	USAGE RATE	BRIEF DESCRIPTION	PACK SIZES
MASH CONVERSION	Amylo™ 300	Liquid	Amylo-glucosidase enzyme	MASH: 0.25 – 1.2 mL / kg 0.1 – 0.6 mL / lb  FERMENT: 1.0 – 4.0 mL / hL 4.2 – 4.7 mL / BBL	Used to increase extract levels and <b>improve fermentability in high adjunct mashes.</b>	1 kg · 25 kg
	Bioferm™ LC	Liquid	Fungal alpha amylase	MASH: 0.15 – 1.5 mL / kg 0.05 – 0.7 mL / lb  FERMENT: 0.85 – 3.6 mL / hL 1.0 – 4.2 mL / BBL	<b>Improves wort fermentability</b> by breaking down complex starch molecules into simpler fermentable sugars, especially maltose.	1 kg · 25 kg
	Bioglucanase®	Liquid	Beta-glucanase enzyme	GB®: 0.05 – 0.15 mL / kg 0.01 – 0.05 mL / lb  TX®: 0.10 – 0.25 mL / kg 0.05 – 0.10 mL / lb	Degrades beta-glucans and arabinoxylans, <b>reducing wort viscosity</b> and <b>improving and filterability.</b>	1 kg · 4 kg · 25 kg
FOAM	Biofoam™ K	Powder	Propylene glycol alginate	3.0 – 8.0 g / hL 3.6 – 9.6 g / BBL	Used as a <b>foam stabilizer</b> by enhancing the natural foam components of beer.	1 kg · 5 kg · 55 lb
	FermCap®	Liquid	Dimethyl-polysiloxane*	1.0 – 8.0 mL / hL 1.2 – 9.4 mL / BBL	Foam control agent that <b>prevents boil-overs</b> and frees kettle capacity by managing foam formation.	500 g · 1 kg · 4 kg · 25 kg · 1000 kg
CLARIFICATION	Biofine® Clear	Liquid	Silicic acid solution	20.0 – 200 mL / hL 23.5 – 235 mL / BBL	Vegan friendly purified colloidal solution used for the <b>rapid sedimentation of yeast</b> and other haze forming particles.	1 kg · 4 kg · 25 kg · 250 kg · 1170 kg (tank)
	Chitosan	Liquid	Chitosan solution	150 – 200 mL / hL 176 – 235 mL / BBL	<b>Aids yeast sedimentation</b> and protein removal in post-fermentation. Available as a fungal, or shellfish derivative.	1 L
STABILITY	Whirlfloc®	Granular(G) or Tablet(T)	Carrageenan fining agent	2.0 – 5.0 g / hL 2.4 – 5.9 g / BBL	<b>Promotes hot and cold break, and trub formation</b> , improving wort clarity and beer brilliance.	5 lb · 44 lb · 55 lb
	Brewers Clarex®	Liquid	Proline specific endo-protease	1.4 – 5.5 mL / hL 1.6 – 6.4 mL / BBL	Degradates haze-active proteins, enabling <b>gluten reduction</b> and <b>improving clarity without filtration.</b>	1 kg · 5 kg · 20 kg
	Biomatex L ALDC	Liquid	Alpha-acetolactate decarboxylanase	1.0 – 5.0 mL / hL 1.2 – 5.9 mL / BBL	Used to <b>reduce diacetyl</b> , and significantly <b>reduces maturation time</b> during fermentation.	500 g · 1 kg · 4 kg · 25 kg

\*Plant-based FermCap® ECO version also available

PROCESS AID	FORMAT	ACTIVITY	USAGE RATE	BRIEF DESCRIPTION	PACK SIZES
Diammonium Phosphate (DAP)	Powder	Diammonium Phosphate (DAP)	10.0 – 15.0 g / hL 11.5 – 17.5 g / BBL	DAP (diammonium phosphate) is a <b>major source of nitrogen</b> for low-malt or sugar-rich mashes and washes.	1 lb · 5 kg · 25 kg
Pathfinder N-Pure	Powder	Complex Nutrient Blend	150 – 320 g / hL 176 – 375 g / BBL	Complete nutrient complex especially developed for <b>fermenting refined sugar bases for hard seltzers</b> .	1 kg · 10 kg · 25 kg
Superfood®	Powder	Complex Nutrient Blend (~30% DAP)	5.0 – 50.0 g / hL 5.9 – 58.7 g / BBL	A <b>blend of vitamins and minerals</b> , rich in the complex nutrients needed for complete fermentation.	1 kg · 5 kg · 20 kg
Yeastex®	Powder	Complex Nutrient Blend	61°: 4.0 – 10.0 g / hL 4.7 – 11.7 g / BBL 82°: 3.0 – 5.0 g / hL 3.5 – 5.9 g / BBL	A source of zinc that contains high levels of nitrogen and vitamins, making it particularly <b>useful when brewing with low FAN malts</b> and in high gravity worts.	5 lb · 35 lb · 40 kg

**Note to RahrBSG Customers:** Please review our website for best practices on application methods for each process aid. Application rates for all process aids should be finalized by brewery trials, and adjusted whenever a significant change is made to your brewing process, such as changes in yeast strain, new malt crops, or adjuncts.

## Guide to Brewing Process Aids



Make your process aids work as hard as you do. Visit our website for our full portfolio of brewing, winemaking & distilling aids, enzymes, nutrients, **how-to videos**, **dosage calculators** & more!

 [rahrbsg.com/guide-to-brewing-process-aids/](http://rahrbsg.com/guide-to-brewing-process-aids/) 

Follow along in the videos on our website as I guide you through our brewing process aids.

**Ashton Lewis**

RahrBSG Technical Training Manager  
a.k.a. HBGIC (Head Beer Geek in Charge)

