



## Hopco Pty Ltd

Importers of Quality Hops

### PERLE:

#### Brewer's notes:

Perle was bred in the Hüll project from an English Northern Brewer. There seems to be a difference of opinion as to Perle's aroma characteristics—European breweries claiming that Perle is much like and a good substitute for Mittelfrüher, while U.S. and Japanese breweries disagree with that assessment. It may be due to the alpha acid difference in content between the various places where it is grown: Germany averaging 8.5% while in the U.S. it can get up to 11%. Perle is said to have a pleasant aroma with hints of spice.

#### Technical data:

Purpose:	Bittering & Aroma
Alpha Acid Composition:	8% - 9%
Beta Acid Composition:	8%
Co-Humulone Composition:	28%
Country:	Germany
Seasonal Maturity:	Mid
Yield Amount:	1680-2130 kg/hectare (1500-1900 lbs/are)
Growth Rate:	Very High
Storability:	Retains 76% alpha acid after 6 months storage at 20 degrees C
Resistant to:	Resistant to verticillium wilt and downy mildew
Susceptible to:	Moderately susceptible to powdery mildew
Total Oil Composition:	0.6 – 1.2 mL/100g
Myrcene Oil Composition:	44%
Humulene Oil Composition:	29%
Caryophyllene Oil:	10.2%
Farnesene Oil:	0.2%
Substitutes:	Perle (US), Northern Brewer
Style Guide:	Hefeweizen, Belgian Strong Ale, Lager, Pilsner, Kölsch