



Hopco Pty Ltd

Importers of Quality Hops

NORTHERN BREWER:

Brewer's notes:

Northern Brewer (GR) has a pleasant European aroma profile and its moderate bittering (which is still relatively high for German lagers and pilsners) makes it a nice, dual-use hop. It is very important in the European hops industry due to its verticillum wilt resistance. It has very good storage stability, up to 80% retention after 6 months at 20° Celsius. Widely grown in Germany, even in the Hallertau region.

Technical data:

Purpose:	Bittering & Aroma
Alpha Acid Composition:	7% - 10%
Beta Acid Composition:	3.5% - 5%
Co-Humulone Composition:	28% - 33%
Country:	Germany
Cone Size:	Medium
Cone Density:	Loose to Moderate
Seasonal Maturity:	Early to Mid
Yield Amount:	1600-2150 kg/hectare (1420-1910 lbs/are)
Growth Rate:	Very High
Storability:	Retains 70%-80% alpha acid after 6 months storage at 20 degrees C
Total Oil Composition:	1.6 – 2.1 mL/100g
Myrcene Oil Composition:	30%-35%
Humulene Oil Composition:	25%-30%
Caryophyllene Oil:	8%-10%
Farnesene Oil:	0%-1%
Substitutes:	Chinook
Style Guide:	Extra Special Bitter