

Northern Brewer

Northern Brewer was bred in the UK in 1934. The commercial importance of Northern Brewer among growers has declined sharply in recent years due to problems with plant health and the development of more productive new varieties. Nevertheless, this bitter variety is still used in the production of bottom-fermented beers where it is primarily added at the beginning and midpoint of wort boiling. The bitterness of beer brewed with Northern Brewer is balanced, with a medium level of intensity. The profile of Northern Brewer tends to exhibit more spicy hop notes in both aroma and flavor.



Analytical Values

Bitter Substances

α -acid [EBC 7.4]	8.1 % w/w
β -acid [EBC 7.7]	5.2 % w/w
β/α [EBC 7.7]	0.6
Co-Humulone [EBC 7.7]	27 % rel.

Aroma Substances

Total Oil [EBC 7.10]	1.50 ml/100 g
Myrcene [GC-FID]	512 mg/100 g
β -Caryophyllene [GC-FID]	123 mg/100 g
Farnesen [GC-FID]	2 mg/100 g
α -Humulene [GC-FID]	342 mg/100 g
Σ Hydrocarbon fraction [GC-FID]	1066 mg/100 g
Linalool [GC-FID]	6 mg/100 g
Geraniol [GC-FID]	4 mg/100 g
Geranyl acetate [GC-FID]	0 mg/100 g
2-methylbutyl 2-methylpropanoate [GC-FID]	39 mg/100 g
Σ Oxygen fraction [GC-FID]	135 mg/100 g
Σ Monoterpene alcohols and esters [GC-FID]	20 mg/100 g
Σ Propanoate [GC-FID]	54 mg/100 g
Σ unsaturated esters [GC-FID]	8 mg/100 g
Σ Esters [GC-FID]	76 mg/100 g
Σ Sesquiterpene alcohols [GC-FID]	18 mg/100 g
Σ Ketone [GC-FID]	23 mg/100 g
Σ Hydrocarbon fraction + Oxygen fraction [GC-FID]	1201 mg/100 g

Polyphenols

Polyphenols [EBC 7.14]	3.9 % w/w
Σ Low-molecular polyphenols [EBC 7.7]	7009 mg/l
Xanthohumol [EBC 7.7]	0.61 % w/w



Mother

Canterbury Golding

Father

OB 21

Northern Brewer

Northern Brewer



Usage in Brewing

Often Used

	rarely	medium	frequently
Boil – Beginning			<div></div>
Boil – Midpoint			<div></div>
Boil – End & Whirlpool	<div></div>		
Dry Hopping	<div></div>		

Recommended Beer Styles

	rarely	medium	frequently
Lager			<div></div>
Ale		<div></div>	
Heavily dry-hopped beers	<div></div>		
Dark Beer		<div></div>	
Wheat Beer	<div></div>		
Belgian Origin Styles			<div></div>

Agronomic Aspects

		low	medium	high		
Climate Tolerance			<div></div>			
		low	medium	good	very good	
Plant Health		<div></div>				
		early	medium early	medium	medium late	late
Maturity		<div></div>				