Landrace

Hallertauer Mittelfrüher

Hallertauer Mittelfrüher is an aroma variety. A traditional landrace, its origins lie in the world's largest hop growing region, the Hallertau. Many brewers value Hallertauer Mittelfrüher for its fine, classic hop aroma profile. It is primarily used to brew conventional Bavarian-style lagers. Hallertauer Mittelfrüher is a popular aroma variety despite its variable yields and strong susceptibility to wilt. This hop variety has been added to brew kettles for centuries.

Analytical Values

Bitter Substances

α-acid [EBC 7.4]	4.0 % w/w
β-acid [EBC 7.7]	5.2 % w/w
β/α [EBC 7.7]	1.3
Co-Humulone [EBC 7.7]	21 % rel.

Aroma Substances

Total Oil [EBC 7.10]	0.85 ml/100 g
Myrcene [GC-FID]	151 mg/100 g
β-Caryophyllene [GC-FID]	69 mg/100 g
Farnesen [GC-FID]	7 mg/100 g
α-Humulene [GC-FID]	242 mg/100 g
∑ Hydrocarbon fraction [GC-FID]	507 mg/100 g
Linalool [GC-FID]	7 mg/100 g
Geraniol [GC-FID]	2 mg/100 g
Geranyl acetate [GC-FID]	0 mg/100 g
2-methylbutyl 2-methylpropanoate [GC-FID]	7 mg/100 g
∑ Oxygen fraction [GC-FID]	67 mg/100 g
∑ Monoterpene alcohols and esters [GC-FID]	10 mg/100 g
∑ Propanoate [GC-FID]	9 mg/100 g
∑ unsaturated esters [GC-FID]	4 mg/100 g
∑ Esters [GC-FID]	15 mg/100 g
∑ Sesquiterpene alcohols [GC-FID]	14 mg/100 g
∑ Ketone [GC-FID]	15 mg/100 g
∑ Hydrocarbon fraction + Oxygen fraction [GC-FID]	574 mg/100 g

Polyphenols

Polyphenols [EBC 7.14]	4.6 % w/w
∑ Low-molecular polyphenols [EBC 7.7]	15593 mg/l
Xanthohumol [EBC 7.7]	0.27 % w/w

Mother	Father
Landrace	Landrace

Hallertauer Mittelfrüher

HVG

Landrace

Hallertauer Mittelfrüher

Usage in Brewing

Often Used

	rarely	medium	frequently
Boil – Beginning	▬		
Boil – Midpoint		▬	
Boil – End & Whirlpool			▬
Dry Hopping		▬	

Recommended Beer Styles

	rarely	medium	frequently
Lager			▬
Ale		▬	
Heavily dry-hopped beers		▬	
Dark Beer			▬
Wheat Beer	▬		
Belgian Origin Styles		▬	

Agronomic Aspects

	low	medium	high
Climate Tolerance	▬		

	low	medium	good	very good
Plant Health	▬			

	early	medium early	medium	medium late	late
Maturity	▬				

	low	medium	high
Storage Stability		▬	

HVG e.G. | Kellerstrasse 1 | 85283 Wolnzach   www.hvg-germany.de