



Vanguard

**Use in brewing:**

Aroma hop. Due to the origins of this hop, it presents some characteristics similar to that of Mittlefruh. However it has a definitive herbal, woody character.

Substitutions:

Liberty, Mittlefruh

Origin/History:

Developed by the USDA and released in 1995. By now the lineage of this hop is long and varied, though it is known that it has connections to Mittlefruh.

Agronomics:

Vanguard has an early seasonal maturity, and exhibits a moderate yield and growth rate. It is also resistant to downy mildew.

Storage:

Very Good.



Blackcurrant, Floral, Herbal



USA

Alpha Acid	5-7%
Beta Acid	5.5-7%
Cohumulone	14-16
Oil Composition	Myrcene: 20-25%, Humulene: 45-55%, Farnesene: <1%
Total Oil	0.5-1.2ml/100g
Flavour Intensity	5