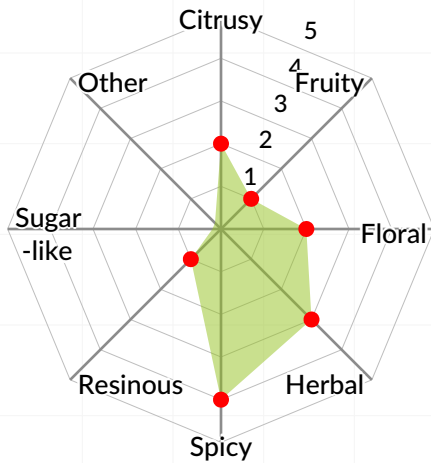


AROMA EVALUATION



VISUAL EVALUATION



AROMA SPECIFICATION

spicy, earthy, ginger, citrusy

GENETIC ORIGIN

A triploid seedling of the English Fuggle variety.

AGRONOMIC ASPECTS

GROWING

Yield (kg/ha)	1,500 - 1,900
Maturity	Medium Early
Main Growing Country	USA
Acreage (ha)	671

RESISTANCE AGAINST DISEASES

Wilt diseases	Susceptible
Downy mildew	Tolerant
Powdery mildew	Susceptible

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	4.5 - 7.0
Beta-Acid %	3.0 - 4.0
Co-Humulone % rel.	30 - 35
Hard Resins : Alpha-Acid	0.26 - 0.55

POLYPHENOLS

Xanthohumol (EBC 7.7)	0.2 - 0.4
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AROMA COMPONENTS

Total Oils (ml/100g)	1.0 - 1.5
Beta-Caryophyllene: Humulene	0.30
Farnesene % of total Oil	5.00 - 6.00
Linalool % of total Oil	0.4 - 0.6
Linalool: Alpha-Acid	0.08 - 0.09

HOP ALTERNATIVES

BREWHOUSE

Fuggle, Tettnanger, Delta

DRY HOPPING

Fuggle, Tettnanger, Delta

HOPS HOTLINE

800.339.8710