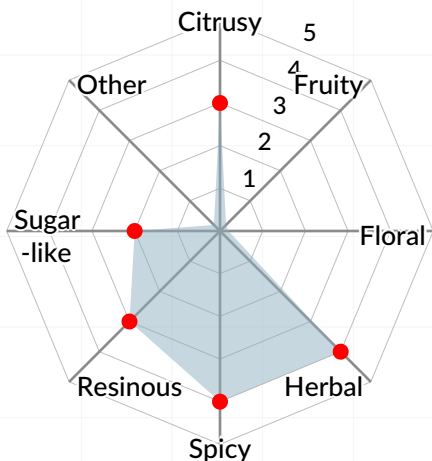


AROMA EVALUATION



VISUAL EVALUATION



AROMA SPECIFICATION

lime, grapefruit, pine

GENETIC ORIGIN

Zeus x (98001 x USDA 19058m).

AGRONOMIC ASPECTS

GROWING

Yield (kg/ha)	2,900 - 3,000
Yield (lbs/acre)	2,600 - 2,700
Maturity	Very Late
Main Growing Country	USA
Acreage (ha)	375

RESISTANCE AGAINST DISEASES

Downy mildew	Resistant
Powdery mildew	Susceptible

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	15.0 - 19.0
Beta-Acid %	5.5 - 8.0
Co-Humulone % rel.	24 - 28
Hard Resins : Alpha-Acid	0.14 - 0.24

POLYPHENOLS

Xanthohumol (EBC 7.7)	0.6 - 0.9
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AROMA COMPONENTS

Total Oils (ml/100g)	0.8 - 2.5
Beta-Caryophyllene: Humulene	0.35 - 0.62
Farnesene % of total Oil	0.00 - 1.00
Linalool % of total Oil	0.2 - 0.4
Linalool: Alpha-Acid	0.01 - 0.02

HOP ALTERNATIVES

BREWHOUSE

Zeus, Nugget

DRY HOPPING

Zeus, Nugget

Apollo packs punch. Traditionally a high-alpha bittering variety, Apollo also lends grapefruit citrus and resinous notes when applied as a dry-hop. "Think West Coast-style IPA's and you know exactly what this hop delivers." Try substituting Apollo for Zeus or Nugget in your next brew.

Hop Highlights:

15–19% Alpha

5.5–8% Beta

High Yield

Excellent Storage Stability

HOPS HOTLINE
800.339.8710