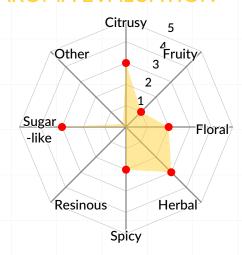
AROMA EVALUATION



AROMA SPECIFICATION

orange, candied lime, fruity, floral

GENETIC ORIGIN

Zeus x (98004 x USDA 19058m).

AGRONOMIC ASPECTS

GROWIN	G
Yield (kg/	ha

Yield (kg/ha) 3,000 - 3,500
Yield (lbs/acre) 2,700 - 3,150
Maturity Very Late
Main Growing Country USA
Acreage (ha) 255

RESISTANCE AGAINST DISEASES

Downy mildew Tolerant
Powdery mildew Susceptible

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	14.0 - 17.0
Beta-Acid %	3.0 - 5.0
Co-Humulone % rel.	29 - 34
Hard Resins : Alpha-Acid	0.14 - 0.24

POLYPHENOLES

Xanthohumol (EBC 7.7) 0.8 - 1.0

AROMA COMPONENTS

Total Oils (ml/100g)	1.6 - 2.4
Beta-Caryophyllene: Humulene	0.58
Farnesene % of total Oil	0.00 - 1.00
Linalool % of total Oil	0.2 - 0.3
Linalool: Alpha-Acid	0.01 - 0.02

VISUAL EVALUATION





HOP ALTERNATIVES

BREWHOUSE

Zeus, US Magnum, Nugget

DRY HOPPING

Chinook, Centennial

Bravo is tried and true in the kettle, offering a polished and pleasant bitterness profile. Candied lime and sweet fruit notes emerge when used as a late hop or dry hop addition. Bravo is "the bittering hop of choice" among many brewers.

Hop Highlights: 14–17% Alpha 3–5% Beta High Geraniol Pleasant Bitterness

HOPS HOTLINE

800.339.8710