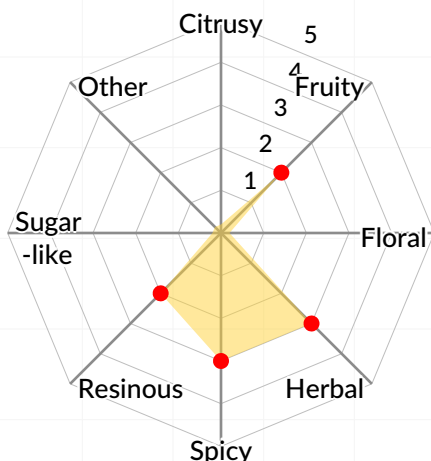


AROMA EVALUATION



VISUAL EVALUATION

AROMA SPECIFICATION

Blackcurrant, herbal, spicy

GENETIC ORIGIN

Wild Manitoba BB1XOR (open pollinated) - released in 1938 seedling raised in 1919 from open-pollinated seed collected from cross made by Prof. E.S. Salmon at Wye College, England. BB1 was obtained in 1916 as a cutting from a wild hop growing at Morden, Ma

AGRONOMIC ASPECTS

GROWING

Yield (kg/ha)	2,000 - 2,600
Maturity	Medium Early
Main Growing Country	USA

RESISTANCE AGAINST DISEASES

Wilt diseases	Resistant
Downy mildew	Tolerant
Powdery mildew	Susceptible

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	6.0 - 9.0
Beta-Acid %	4.5 - 7.0
Co-Humulone % rel.	36 - 40

AROMA COMPONENTS

Total Oils (ml/100g)	1.2 - 2.7
Beta-Caryophyllene: Humulene	> 0.73
Farnesene % of total Oil	0.00 - 1.00

HOP ALTERNATIVES

BREWHOUSE

Target, Brewers Gold, Northern Brewer

HOPS HOTLINE
800.339.8710