

BR A V O

VARIETY INFORMATION



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Genetic Origin	
Zeus x (98004 x USDA 19058m).	

Agronomic Aspects	
Growing	
Classification	Aroma
Yield (kg/ha)	3,000 - 3,500
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
Cohumulone % rel.	29 - 34
Hard resins : alpha acid	0.14 - 0.24
Polyphenoles	
Xanthohumol	0.8 - 1.0
Aroma Components	
Total oils (ml/100g)	1.6 - 2.4
Beta-caryophyllene: Humulene	0.58
Farnesene % of total oil	0.0 - 1.0
Linalool % of total oil	0.2 - 0.3
Linalool : Alpha acid	0.01 - 0.02

Aroma Evaluation (Smell of Raw Hops, 0-5)	
Aroma Specification	orange, floral, vanilla, fruity
Fruity	<div style="width: 20%; background-color: #FFD700;"></div>
Floral	<div style="width: 40%; background-color: #FFD700;"></div>
Citrusy	<div style="width: 60%; background-color: #FFD700;"></div>
Spicy	<div style="width: 30%; background-color: #FFD700;"></div>
Earthy / resinous	<div style="width: 0%; background-color: #FFD700;"></div>
Herbal	<div style="width: 50%; background-color: #FFD700;"></div>
Sugar-like	<div style="width: 70%; background-color: #FFD700;"></div>

Substitutes	
Brewhouse	Dry Hopping
Zeus, US Magnum, Nugget	Chinook, Centennial

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