

SUMMIT

VARIETY INFORMATION



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Genetic Origin

Semi-dwarf super high alpha hop variety released by the American Dwarf Hop Association.

Agronomic Aspects

Growing

Classification	High Alpha
Yield (kg/ha)	2,570 - 3,000
Maturity	Late
Main growing country	USA
Acreage (ha)	654

Resistance against Diseases

Downy mildew	Susceptible
Powdery mildew	Susceptible

Chemical Ingredients

Bitter Components

Alpha acid %	13.0 - 18.0
Beta acid %	3.5 - 5.5
Cohumulone % rel.	28 - 35
Hard resins : alpha acid	0.14 - 0.23

Polyphenoles

Xanthohumol	0.2 - 0.3
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Aroma Components

Total oils (ml/100g)	1.5 - 2.5
Beta-caryophyllene: Humulene	0.63
Farnesene % of total oil	0.0 - 1.0
Linalool % of total oil	0.5 - 0.7
Linalool : Alpha acid	0.03 - 0.04

Aroma Evaluation (Smell of Raw Hops, 0-5)

Aroma Specification	citrusy, spicy, garlic				
Fruity	1				
Floral					
Citrusy	2	1			
Spicy	3	2	1		
Earthy / resinous					
Herbal	3	2	1		
Sugar-like					

Substitutes

Brewhouse	Dry Hopping
Zeus, Bravo, Apollo	

Simon H. Steiner, Hopfen, GmbH

Auhofstraße 18 | D-84048 Mainburg, Germany
 Tel +49 (0) 87 51-86 05-0 | Fax +49 (0) 87 51-86 05-80
 E-mail info@hopsteiner.de

S.S. Steiner, Inc.

655 Madison Avenue, New York, N.Y., 10065, USA
 Tel +1 212 838-8900 | Fax +1 212 593-4238
 E-mail sales@hopsteiner.com

Steiner Hops Limited

319 A High Street, Epping, Essex CM16 4DA, England
 Tel +44 (0) 1992 572 331 | Fax +44 (0) 1992 573 780
 E-mail enquiries@hopsteiner.co.uk

Steiner Asia

Hopsteiner Trading (Zhuhai) Co., Ltd.
 Suite 15 C, Jiu Chang Building, No. 8, Hai Zhou Road, Ji Da District,
 Zhuhai, Guangdong, China 519015
 Tel +86 756 322-3340 | Fax +86 756 322-3345
 E-mail info@hopsteiner.com.cn

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COMMITTED TO THE BREWER