

NORTHDOWN

VARIETY INFORMATION



Genetic Origin

Bred at Wye College from a Northern Brewer and a downy mildew-resistant male cross; closely related to both Target and Challenger; released for commercial planting in the early 1970's.

Agronomic Aspects

Growing

Classification	Dual Purpose
Yield (kg/ha)	1,500 - 1,750
Maturity	Medium Early
Main growing country	UK

Resistance against Diseases

Wilt diseases	Susceptible
Downy mildew	Tolerant
Powdery mildew	Susceptible

Chemical Ingredients

Bitter Components

Alpha acid %	6.0 - 10.0
Beta acid %	4.5 - 6.5
Cohumulone % rel.	30 - 32
Hard resins : alpha acid	0.51 - 0.62

Polyphenoles

Xanthohumol	0.3 - 0.4
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Aroma Components

Total oils (ml/100g)	1.2 - 2.2
Beta-caryophyllene: Humulene	0.30
Farnesene % of total oil	1.0 - 2.0

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

Aroma Specification	spicy, floral, pine				
Fruity					
Floral					
Citrusy					
Spicy					
Earthy / resinous					
Herbal					
Sugar-like					

Substitutes

Brewhouse	Dry Hopping
Admiral, Challenger, Northern Brewer	Admiral, Challenger, Northern Brewer

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COMMITTED TO THE BREWER