NORTHDOWN

BREWING QUALITY
An excellent all round hop with good alpha and aroma properties. Very popular used either on its own or in conjunction with an aroma variety. A slightly richer flavour than Challenger although quite similar in many other ways. Provides cheaper alpha acid than many traditional varieties, while having excellent flavour properties.

ORIGIN / HISTORY
UK origin. Northdown was released by Wye College in 1970; it is a seedling of Northern Brewer, crossed with a downy mildew-resistant male. It is an “aunt” of Challenger and Target.

AGRONOMICS
Good resistance to Downy Mildew but susceptible to Powdery Mildew and Verticillium Wilt.

ACID COMPONENTS
- Alpha Acids: 6 - 10% w/w
- Beta Acids: 4.4 – 6.2% w/w
- Cohumulone: 24 - 29% of alpha acids

OIL COMPONENTS
- Total Oil: 1.2 – 2.2 mls/100 grams
- Caryophyllene: 15% of whole oil
- Farnesene: 1.1% of whole oil
- Humulene: 43% of whole oil
- Myrcene: 26 - 36% of total oil

Possible Substitutions: Northern Brewer, Challenger