



- ❖ **Hop Variety:** ***Northdown***
- ❖ **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.
- ❖ **Maturity:** Early-mid season
- ❖ **Yield:** 1500 – 1750 kgs/ha (1320– 1545 lbs/acre)
- ❖ **Disease Reaction:** Sensitive to wilt; susceptible to powdery mildew but shows some resistance to downy mildew
- ❖ **Cone Structure:** Large and bold
- ❖ **Quality:**
- **Aroma** Relatively high oil levels gives a distinctive aroma
 - **Storage Stability** Good
- ❖ **HPLC Data:**
- **Alpha-Acids** 7.0 – 9.0% w/w
 - **Cohumulone** 30-32% of alpha-acids
 - **Beta-Acids** 4.4 – 6.2% w/w
 - **Xanthohumol** Typically 0.36% w/w
- ❖ **Hop Oils:**
- **Total Oil** 1.2 - 2.2% v/w
of which typically:
 - **Myrcene** 26%
 - **Humulene** 43%
 - **Caryophyllene** 15%
 - **Farnesene** 1.2%
 - **Linalool** N/A
- ❖ **Brewing Character:** Versatile hop giving a mild, neutral flavor; cost-effective 'dual purpose' hop providing a combination of pleasant bitterness and good aroma.

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