



Belgian Malts that Make Your Beer So Special

NORTHERN BREWER

BREWING QUALITY

Used in ESB, Bitter, English Pale Ale, Porter, Lager, Lambic, Munich Helles for its good bittering value similar to Nugget.



ORIGIN / HISTORY

One of the original medium to high alpha hops, bred in England and later grown also in Belgium, Spain, Germany and the US.

AGRONOMICS

Susceptible to downy and powdery mildew but tolerant to German hop wilt. No strong virus reactions.

ACID COMPONENTS

| | |
|-------------|-------------------------|
| Alpha Acids | 5 - 10% w/w |
| Beta Acids | 3.5 - 5% w/w |
| Cohumulone | 28 - 33% of alpha acids |

Type T90 Hop Pellets



OIL COMPONENTS

| | |
|---------------|-------------------------|
| Total Oil | 1.6 - 2.1 mls/100 grams |
| Caryophyllene | 8 - 10% of whole oil |
| Farnesene | <1% of whole oil |
| Humulene | 25 - 30% of whole oil |
| Myrcene | 30 - 35% of total oil |

Type Leaf Hops



Possible Substitutions: Northdown, Challenger

Castle Malting - True Brewers know why!

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