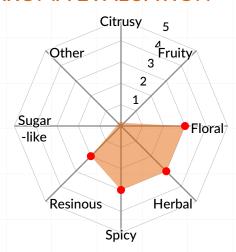
# Hopsteiner NORTHDOWN

## **AROMA EVALUATION**



## AROMA SPECIFICATION

spicy, floral, pine

## **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**

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

 Co-Humulone % rel.
 30 - 32

 Hard Resins : Alpha-Acid
 0.51 - 0.62

#### **POLYPHENOLES**

Xanthohumol (EBC 7.7) 0.3 - 0.4

#### **AROMA COMPONENTS**

Total Oils (ml/100g) 1.2 - 2.2
Beta-Caryophyllene: Humulene 0.30
Farnesene % of total Oil 1.00 - 2.00

## **VISUAL EVALUATION**



# **HOP ALTERNATIVES**

#### **BREWHOUSE**

Challenger, Northern Brewer, Admiral

#### **DRY HOPPING**

Challenger, Northern Brewer, Admiral

## HOPS HOTLINE

800.339.8710