



# Sovereign

U.K.

Aroma Hop

This variety is a dwarf hop released from Wye College in 2004 from a cross pollination of WGV with dwarf male. Sovereign shows a complex English-type flavor and aroma described as a delicate combination of floral, grassy and herbal with a hint of mint.

<b>Pedigree</b>	<b>Dwarf variety bred at Wye College in 1995 from open pollination</b>
<b>Aroma</b>	<b>Complex floral, grassy, herbal and mint</b>
<b>Alpha Acids*</b>	<b>4.5 - 6.5 %</b>
<b>Beta Acids</b>	<b>2.1 - 3.1 %</b>
<b>Cohumulone</b>	<b>25 - 30 % of alpha acids</b>
<b>Total Oil</b>	<b>0.5 - 1.0 ml/100g</b>
<b>Myrcene</b>	<b>20 - 31 % of total oil</b>
<b>Humulene</b>	<b>20 - 27 % of total oil</b>
<b>Caryophyllene</b>	<b>7 - 10 % of total oil</b>
<b>Farnesene</b>	<b>2 - 5 % of total oil</b>
<b>Storage Stability</b>	<b>Good</b>

\* Alpha acids are determined by conductometric titration (EBC 7.4) in Europe; by spectrophotometric (ASBC Hops-6) in USA