

Ultra

U.S.
Aroma Hop



Ultra was bred through the USDA Oregon State University hops research program in 1983 and is a triploid variety derived from a tetraploid Hallertau Mittelfrüh and a Saaz-type male diploid genotype. It is half-sister to Mt. Hood, Liberty and Crystal. Released in 1995, Ultra has lower alpha acids than most U.S. aroma varieties.

Pedigree	Triploid seedling of Hallertau
Aroma	Mild and pleasant; Saaz-like
Alpha Acids*	2.0 - 3.5 %
Beta Acids	3.0 - 4.5 %
Cohumulone	23 - 38 % of alpha acids
Total Oil	0.5 - 1.0 ml/100g
Myrcene	15 - 25 % of total oil
Humulene	35 - 50 % of total oil
Caryophyllene	10 - 15 % of total oil
Farnesene	< 1 % of total oil
Storage Stability	Good to very good

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