



Pacific Sunrise

New Zealand
High Alpha Hop

Pacific Sunrise is a bittering hop released by the New Zealand HortResearch program in 2000. It is derived from a combination of crosses from Late Cluster, Fuggle, European male and New Zealand male hops. It has a favorable aroma with high bitterness potential.

Pedigree	Late Cluster, Fuggle, European male and NZ male
Aroma	Woody notes with pine
Alpha Acids*	12.5 - 14.5 %
Beta Acids	5.0 - 7.0 %
Cohumulone	27 - 30 % of alpha acids
Total Oil	1.5 - 2.5 ml/100g
Myrcene	45 - 55 % of total oil
Humulene	20 - 24 % of total oil
Caryophyllene	6 - 8 % of total oil
Farnesene	< 1 % of total oil
Storage Stability	Fair

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