



Pacific Gem

New Zealand
High Alpha Hop

Pacific Gem is a high alpha triploid hop developed through the HortResearch breeding program in New Zealand and released in 1987. It was bred from the NZ variety “Smoothcone” and a Cluster/Fuggle cross. Pacific Gem’s aroma is well balanced and pleasant for a high-alpha hop.

Pedigree	Crosses of Smoothcone, Cluster, and Fuggle
Aroma	Pleasant blackberry aroma
Alpha Acids*	13.0 - 15.0 %
Beta Acids	7.0 - 9.0 %
Cohumulone	37 - 40 % of alpha acids
Total Oil	1.1 - 1.3 ml/100g
Myrcene	32 - 34 % of total oil
Humulene	29 - 31 % of total oil
Caryophyllene	10 - 12 % of total oil
Farnesene	< 1 % of total oil
Storage Stability	Good

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