



NZ HOPS - DATA SHEET

"hops with a difference"

PACIFIC JADE

Breeding Tripliod Alpha type developed by the cross of the NZ variety "First Choice" (a relative of the Late Cluster) and an "Old Line" Saazer Male. Released from the New Zealand Hop Research Programme by HortResearch Centre Riwaka in 2004.

Selection: This variety is the most recent release out of the New Zealand Hop Research Programme selected on its average alpha of 12-14% with Cohumulone in the region of 24% and an excellent oils profile. The aroma of this hop is described as "bold" as it delivers a herbal infusion of fresh citrus and crushed black pepper. Brewing trials have illustrated Pacific Jade as an excellent hop that delivers a pleasing soft bitterness matched to desirable aroma characteristics.

Brewers Notes: Suited for use as a bittering hop with some excellent results also being seen in dual purpose applications, with a soft bitterness attributable to the low cohumulone. The citrus aroma and flavour notes work well to temper malt sweetness in "fullish" Ales especially when used moderately as a finishing hop. Pacific Jade is also well suited to balance dryer Lager styles when employed as an "up-front" kettle addition to showcase its bittering qualities.

"Displays great versatility in the brewhouse"

Grower remarks:	Maturity:	Mid to late season.
	Yield:	Moderate.
	Growth Habit:	Vigorous spring growth.
	Cone Structure	Long and dense.
	Disease Resistance	New Zealand is hop disease free.
	Storage Stability:	Good.

Technical Data: HPLC & Oil Composition (Measured within 6 months of harvest, stored at 0 °C)

Alpha Acids:	12.0 - 14.0 %
Beta Acids:	7.0 - 8.0 %
Cohumulone:	24 % of Alpha Acids
Total Oil:	1.4 mls oil per 100 gram cone weight
Concentration:	92 uL Oil/gram Alpha
Myrcene:	33.3 %
Humulene:	32.9 %
Caryophyllene :	10.2 %
Farnasene:	0.3 %
Citrus-Piney Fraction:	6.5 %
Floral Estery Fraction:	2.4 % (Linalool 0.7 %)
Xanthohumol:	0.7 %
Other:	14.4 %

Applications: Typically to replace less interesting Alpha varieties where a softer bitterness and higher oil profile is desired. The Pacific Jade exemplifies market direction and the New Zealand breeding programme.