

## US WILLAMETTE

**Pedigree** A triploid seedling of the English Fuggle variety.

**Maturity** Early to mid-season

**Yield** 1500 - 1900 kg./ha. or 1340 - 1700 lb./ac.

**Growth Habit** Good, vigorous but manageable

**Disease/Pest Susceptibility** visible reaction to Prunus necrotic ring-spot virus. Fair resistance to downy mildew. Susceptible to Verticillium wilt. Some susceptibility to powdery mildew.

**Pickability/Drying/Baling** Good

**Cone-Structure** Small to medium sized, round, and fairly light

**Lupulin** Moderate amount, golden yellow in color

**Aroma** Mild and pleasant, slightly spicy

**Alpha Acid** 4.0 - 6.0% w/w

**Beta Acid** 3.0 - 4.0% w/w

**Cohumulone** 30 -35% of alpha acids

**Storageability** 60 - 65% alpha acids remaining after 6 months storage at 20°C

**Total Oil** 1.0 - 1.5% mls/100 grams

**Myrcene** 45 - 55% of whole oil

**Humulene** 20 - 30% of whole oil

**Carophyllene** 7 - 8% of whole oil

**Farnesene** 5 - 6% of whole oil

**General Trade Perception** A quality aroma hop

**Possible Substitutions** US Fuggle, US Tettnang, Styrian Golding

**Typical Beer Styles** All English-style Ales, and US Pale and Brown Ales.

**Additional Information** Released in 1976 and well-established in the US industry.

Currently the most widely grown aroma hops in the US.

**Typical Hop Use** Aroma



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