



Hopunion CBS, LLC

US CASCADE

Pedigree	Open pollination of a Fuggle seedling, itself derived from crosses between Fuggle and the Russian hop Serebrianker.
Maturity	Mid-Season
Yield	1600 – 2200 kg./ha or 1430 – 1960 lb./ac.
Growth Habit	Good to excellent
Disease/Pest Susceptibility	Not seriously affected by Prunus necrotic ring-spot virus. Good crown and cone resistance to downy mildew, partly tolerant to Verticillium wilt. Prone to insects, especially Aphids.
Pickability/Drying/Baling	Good
Cone-Structure	Compact, medium sized, slightly square-shaped
Lupulin	Moderate amount, yellow color; develops compact balls of Lupulin in the cone; unique to Cascade
Aroma	Flowery and citrusy. Can have a grapefruit note.
Alpha Acids	4.5 – 7.0% w/w
Beta Acids	4.5 – 7.0% w/w
Co-Humulone	33 – 40% of alpha acids
Storageability	48 – 52% alpha acids remaining after 6 months storage at 20°C
Total Oil	0.8 – 1.5 mls/100 grams
Myrcene	45 – 60% of whole oil
Humulene	10 - 16% of whole oil
Caryophyllene	3 - 6% of whole oil
Farnesene	4 – 8 % of whole oil
General Trade Perception	Aroma variety with well-balanced bittering potential. It is the most popular hop with the craft-brewing industry. Good for dry hopping.
Possible Substitutions	Centennial, Amarillo, to a lesser extent, Columbus
Typical Beer Styles	American-Style Ales, especially Pale Ale, IPA, Porter, Barley wines; Can also be used in Witbier.
Additional Information	Released in 1972 and well-established in US industry. The first commercially accepted American-bred aroma hop.
Personal Notes:	