



Hopunion CBS, LLC

US COLUMBUS

Pedigree	Bred and selected from the Hopunion breeding program.
Maturity	Mid-season to late
Yield	2250 – 2800 kg./ha. or 2000 – 2500 lb./ac.
Growth Habit	Excellent
Disease/Pest Susceptibility	Has sensitivity to powdery mildew and some sensitivity to downy mildew.
Pickability/Drying/Baling	Good
Cone-Structure	Medium to large dense, rounded cone
Lupulin	Plentiful, pale to mid-yellow
Aroma	Pungent
Alpha Acids	14 – 16% w/w
Beta Acids	4.5 – 5.5% w/w
Co-Humulone	30 – 35% of alpha acids
Storageability	Below average alpha acids remaining after 6 months storage at 20° C
Total Oil	1.5 – 2.0 mls/100 grams
Myrcene	25 – 45% of whole oil
Humulene	15 – 25% of whole oil
Caryophyllene	8 – 12% of whole oil
Farnesene	<1% of whole oil
General Trade Perception	Originally bred for its alpha value, it has also become popular for its oil profile. Great for dry hopping.
Possible Substitutions	Nugget, Chinook, Wye Target, Northern Brewer, possibly Centennial
Typical Beer Styles	US IPA, US Pale Ale, Stout, Barley Wine, Lager (Bittering)
Additional Information	Also known as Tomahawk. Considered similar to Zeus.
Personal Notes:	