



## Hopunion CBS, LLC

### US NUGGET

<b>Pedigree</b>	Selected from a cross between Brewer's Gold and a high alpha acids male with good storage properties.
<b>Maturity</b>	Mid-season
<b>Yield</b>	1900 – 2500 kg./ha. or 1700 – 2230 lb./ac.
<b>Growth Habit</b>	Good
<b>Disease/Pest Susceptibility</b>	Little visual reaction to infection with Prunus necrotic ring-spot virus. Moderate to good resistance to downy mildew, but susceptible to spider mites.
<b>Pickability/Drying/Baling</b>	Very good
<b>Cone-Structure</b>	Heavy, tight and moderately long
<b>Lupulin</b>	Plentiful and yellow-orange in color
<b>Aroma</b>	Herbal
<b>Alpha Acids</b>	12 – 14% w/w
<b>Beta Acids</b>	4 – 6% w/w
<b>Co-Humulone</b>	24 – 30% of alpha acids
<b>Storageability</b>	70 – 80% alpha acids remaining after 6 months storage at 20° C
<b>Total Oil</b>	1.7 – 2.3 mls/100 grams
<b>Myrcene</b>	51 – 59% of whole oil
<b>Humulene</b>	12 – 22% of whole oil
<b>Caryophyllene</b>	7 – 10% of whole oil
<b>Farnesene</b>	<1% of whole oil
<b>General Trade Perception</b>	A high alpha acids hop with a good aroma profile.
<b>Possible Substitutions</b>	Galena, Magnum, Columbus, Wye Target
<b>Typical Beer Styles</b>	Ales, Stout, Barley Wine
<b>Additional Information</b>	Released in 1982 and now a major high alpha acids variety in the US. Also grown in Germany.
<b>Personal Notes:</b>	