



## Hopunion CBS, LLC

### US GALENA

<b>Pedigree</b>	Bred from Brewer's Gold by open pollination in the state of Idaho.
<b>Maturity</b>	Early to mid-season
<b>Yield</b>	1900 – 2500 kg./ha. or 1700 – 2230 lb./ac.
<b>Growth Habit</b>	Neat and columnar
<b>Disease/Pest Susceptibility</b>	Exhibits reaction to infection with Prunus necrotic ring-spot virus. Some resistance to downy mildew, slightly susceptible to powdery mildew, susceptible to aphids.
<b>Pickability/Drying/Baling</b>	Good
<b>Cone-Structure</b>	Medium-compact and plump
<b>Lupulin</b>	Abundant, yellow in color
<b>Aroma</b>	Citrusy
<b>Alpha Acids</b>	12 – 14% w/w
<b>Beta Acids</b>	7 – 9% w/w
<b>Co-Humulone</b>	38 – 42% of alpha acids
<b>Storageability</b>	75 – 80% alpha acids remaining after 6 months storage at 20° C
<b>Total Oil</b>	0.9 – 1.2 mls/100 grams
<b>Myrcene</b>	55 – 60% of whole oil
<b>Humulene</b>	10 – 15% of whole oil
<b>Caryophyllene</b>	3 – 5% of whole oil
<b>Farnesene</b>	<1% of whole oil
<b>General Trade Perception</b>	An excellent high alpha acids hop with balanced bittering properties combines with a good aroma profile.
<b>Possible Substitutions</b>	Nugget
<b>Typical Beer Styles</b>	Can be used in most English-style and American Ales.
<b>Additional Information</b>	Released in 1978.
<b>Personal Notes:</b>	