



## Hopunion CBS, LLC

### US HORIZON

<b>Pedigree</b>	A diploid high alpha, low co-humulone selection. Cross made in Oregon in 1970, half-sister of Nugget.
<b>Maturity</b>	Medium
<b>Yield</b>	2100 - 2300 kg./ha. or 1900 – 2000 lb./ac.
<b>Growth Habit</b>	Moderately vigorous, neat even columnar habit
<b>Disease/Pest Susceptibility</b>	Susceptibility to downy mildew. Moderately resistant Verticillium wilt.
<b>Pickability/Drying/Baling</b>	Good
<b>Cone-Structure</b>	Firm, quite tight
<b>Lupulin</b>	Moderate amount, yellow
<b>Aroma</b>	Floral, spicy
<b>Alpha Acids</b>	11 – 13% w/w
<b>Beta Acids</b>	6.5 – 8.5% w/w
<b>Co-Humulone</b>	16 – 19% of alpha acids
<b>Storageability</b>	Average to good
<b>Total Oil</b>	1.5 – 2.0 mls/100 grams
<b>Myrcene</b>	55 – 65% of whole oil
<b>Humulene</b>	11 – 13% of whole oil
<b>Caryophyllene</b>	7.5 – 9% of whole oil
<b>Farnesene</b>	2.5 – 3.5% of whole oil
<b>General Trade Perception</b>	Good potential as a medium alpha, good aroma, dual purpose hop. Has a low co-humulone, which results in a clean tasting beer.
<b>Possible Substitutions</b>	Magnum
<b>Typical Beer Styles</b>	All Ales and Lagers
<b>Additional Information</b>	Commercially grown in small quantities. Gaining in popularity with the craft-brewing industry.
<b>Personal Notes:</b>	