



Hopunion CBS, LLC

GR HALLERTAU

Pedigree	At one time the major Hallertau landrace variety with a highly acclaimed aroma profile.
Maturity	Early to mid-season
Yield	1300 – 1800 kg./ha. or 1150 – 1600 lb./ac.
Growth Habit	Moderately vigorous on most soil types
Disease/Pest Susceptibility	Sensitive to German wilt which resulted in reduction of its acreage and replacement by Hersbrucker over the 1970's and 1980's.
Pickability/Drying/Baling	Good
Cone-Structure	Lightish, fluffy cone
Lupulin	Pale to medium yellow in color
Aroma	Mild and pleasant
Alpha Acids	3.5 – 5.5% w/w
Beta Acids	3 – 4% w/w
Co-Humulone	17 – 24% of alpha acids
Storageability	50 – 60% alpha acids remaining after 6 months storage at 20° C
Total Oil	0.7 – 1.3 mls/100 grams
Myrcene	10 – 20% of whole oil
Humulene	30 – 35% of whole oil
Caryophyllene	7 – 10% of whole oil
Farnesene	<1% of whole oil
General Trade Perception	The classic German aroma hop associated with Bavarian style lager beers.
Possible Substitutions	Liberty, German Tradition, Ultra
Typical Beer Styles	Lager, Bock, Pilsner, Weizen, Belgian-Style Ales, Alt, Lambic, Kölsch, Munich Ales
Additional Information	Limited areas grown in the US, tends to grow best in the milder climates of Oregon and northern Idaho.
Personal Notes:	