



Hopunion CBS, LLC

UK NORTHDOWN

Pedigree	A first generation selection from Northern Brewer crossed with a German male resistant to downy mildew
Maturity	Early to mid-season
Yield	1500 – 1900 kg./ha. or 1350 – 1700 lb./ac.
Growth Habit	Not over-vigorous, neat and manageable
Disease/Pest Susceptibility	Susceptible to Verticillium wilt and powdery mildew but quite resistant to downy mildew
Pickability/Drying/Baling	Good
Cone-Structure	Medium to large, plumpish, quite loose
Lupulin	Moderate amounts, palish yellow
Aroma	Mild, pleasant and delicate hop aroma
Alpha Acids	7.5 – 9.5% w/w
Beta Acids	5 – 5.5% w/w
Co-Humulone	24 – 30% of alpha acids
Storageability	60 – 70% alpha acids remaining after 6 months storage at 20° C
Total Oil	1.5 – 2.5 mls/100 grams
Myrcene	23 – 29% of whole oil
Humulene	40 – 45% of whole oil
Caryophyllene	13 – 17% of whole oil
Farnesene	<1% of whole oil
General Trade Perception	A true dual-purpose hop with moderate bittering potential and excellent flavor/aroma characteristics.
Possible Substitutions	UK Challenger, Northern Brewer
Typical Beer Styles	All Ales, Porter
Additional Information	Released in early 1970's with relatively high alpha acids for its time. Its excellent flavor properties ensured its continued survival after the release of the higher alpha acids variety Wye Target.
Personal Notes:	