



Belgian Malts that Make Your Beer So Special

LIBERTY

BREWING QUALITY

Aroma variety with close similarities to German aroma varieties, especially Hallertau. Provides a pleasant floral character to beer. Used in Lager, Pilsner, Bock, US Wheat, Kölsch.



ORIGIN / HISTORY

USA origin. Cross between colchicines-induced tetraploid female hop cultivar Hallertauer Mittlefruh and downy mildew resistant male.

AGRONOMICS

Moderately resistant to downy mildew. No Verticillium wilt symptoms observed.

ACID COMPONENTS

Alpha Acids	3 - 6% w/w
Beta Acids	3 - 4% w/w
Cohumulone	24 – 30% of alpha acids

Type T90 Hop Pellets



OIL COMPONENTS

Total Oil	0.6 – 1.2 mls/100 grams
Caryophyllene	9 - 12% of whole oil
Farnesene	<1% of whole oil
Humulene	35 - 40% of whole oil
Myrcene	20 - 40% of whole oil

Type Leaf Hops



Possible Substitutions: Tradition, Mount Hood, Crystal

Castle Malting - True Brewers know why!

Headquarters: Chemin du Couloury 1, 4800 Lambermont, Belgium
Malting Plant: Rue de Mons 94, 7970 Beloeil, Belgium

Tel.: + 32 (0) 87 662095; Fax: +32 (0) 87 352234; info@castlemalting.com; www.castlemalting.com
Registered Tournai 79754; VAT: BE.455013439; IBAN: BE11 3700 9054 5648; BIC: BBRUBEBB