



Belgian Malts that Make Your Beer So Special

COLUMBUS

BREWING QUALITY

Bitterness in its purest form. Super-rich variety of American origin introduced in France at the end of the 90s. Used in IPA, Pale Ale, Stout, Barley Wine, Lager.



ORIGIN / HISTORY

French origin. Columbus is a half-sister to Nugget. Its aroma is intense, but pleasant with hints of green fruit, citrus and ester. Some brewers add it at the end of boiling.

AGRONOMICS

Good resistance to all pests and disease although showing signs of susceptibility to powdery mildew.

ACID COMPONENTS

Alpha Acids	9.5 - 12% w/w
Beta Acids	4.5 - 5.5% w/w
Cohumulone	30 - 35% of alpha acids

Type T90 Hop Pellets



OIL COMPONENTS

Total Oil	1.4 - 2.0 mls/100 grams
Caryophyllene	1.9 - 2.1% of whole oil
Humulene	15 - 25% of whole oil
Myrcene	30 - 50% of whole oil
Monoterpene	64% of whole oil
Sesquiterpene	36% of whole oil

Type Leaf Hops



Possible Substitutions: Nugget, Simcoe, Chinook



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