

US LIBERTY

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

Maturity Early to mid-season

Yield 1100 - 1900 kg./ha. or 1000 - 1700 lb./ac.

Growth Habit Columnar and quite vigorous

Disease/Pest Susceptibility Susceptibility Moderately resistant to downy mildew. No Verticillium wilt symptoms observed.

Pickability/Drying/Baling Fair to good

Cone-Structure Smallish plump, dense cones

Lupulin Moderate amounts, dark yellow in color

Aroma Mild with a slightly spicy character

Alpha Acid 3.0 - 5.0% w/w

Beta Acid 3.0 - 4.0% w/w

Cohumulone 24 - 30% of alpha acids

Storageability 35 - 55% alpha acids remaining after 6 months storage at 20°C

Total Oil 0.6 - 1.2 mls/100 grams

Myrcene 20 - 40% of whole oil

Humulene 35 - 40% of whole oil

Carophyllene 9 - 12% of whole oil

Farnesene <1% of whole oil

General Trade Perception Perception Aroma variety with close similarities to imported German aroma varieties, especially Hallertau.

Possible Substitutions US or German Hallertau, German Tradition, Mt Hood, possibly Spalt

Typical Beer Styles Lager, Pilsner, Bock, US Wheat, Kolsch

Additional Information Released in the US in 1991. Of the four triploid Hallertau varieties released, Liberty most closely resembles the Hallertau cultivar.

Typical Hop Use Aroma



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