



Belgian Malts that Make Your Beer So Special

SULTANA ORGANIC

BREWING QUALITY

Dual-purpose hop. Sultana has a big aroma that imparts Pineapple with notes of Citrus and Pine. It is quite popular with brewers who are looking for a distinct, big flavor in their beers! With pineapple, pine and bright citrus notes, Sultana is sure to make an Pale, IPA, or NEIPA.



ORIGIN / HISTORY

US origin. Originated from a cross between Nugget and the son of a cross between Zeus and USDA 19058 male.

AGRONOMICS

Late maturity. Tolerant to downy mildew and powdery mildew.

ACID COMPONENTS

| | |
|-------------|-------------------------|
| Alpha Acids | 13 – 15% w/w |
| Beta Acids | 4 – 5% w/w |
| Cohumulone | 22 - 26% of alpha acids |

Type T90 Hop Pellets



OIL COMPONENTS

| | |
|----------------------|-----------------------|
| Total Oil | 2.5 – 4% ml/100 g |
| Linalool | 0.6 – 1% of whole oil |
| Linalool: Alpha-Acid | 0.05 - 0.10 |
| Total Polyphenoles | 2.5 - 3.0 |
| Xanthohumol | 0.5 - 0.7 |

Type Leaf Hops



Substitution: none

Castle Malting - True Brewers know why!