

COLUMBUS

Columbus, Tomahawk® and Zeus (CTZ) are super high alpha varieties. They share the same female parent as Nugget making them at least half sisters to Nugget. The CTZ varieties are currently used almost exclusively for beer bittering.



CITRUS



SPICY



VEGETAL

SWEET
FRUIT

Lemon, black pepper, green onion, mango.

Alpha (%)	15.0-17.0
Beta (%)	4.5-5.0
Cohumulone (% of Alpha Acids)	28-32
Total Oil (ml/100g)	2.5-3.5
Myrcene (% of Total Oil)	50-60
Humulene (% of Total Oil)	12-18
Caryophyllene (% of Total Oil)	9-11
Farnesene (% of Total Oil)	< 1
Linalool (% of Total Oil)	—
Total Polyphenols (%)	—