



WILLAMETTE VALLEY HOPS, LLC

HOP VARIETY DATA SHEET

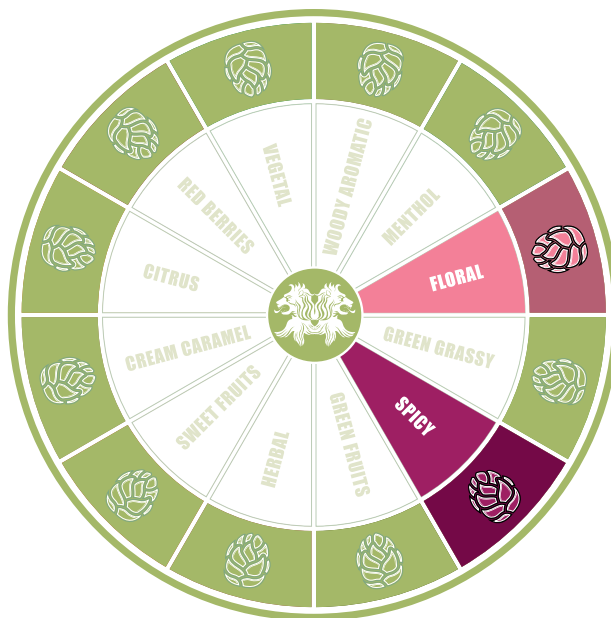


Crystal

U.S. AROMA HOP

Crystal is a triploid variety developed from the German aroma hop variety Hallertauer Mittelfrüh with primary contributions from Cascade, Brewer's Gold and Early Green. Released in 1993 from the USDA breeding program, Crystal has become popular in U.S. craft brewing as a triploid Hallertauer.

Pedigree	Half-sister of Mt. Hood and Liberty derived from Hallertau Mi lefrüh and other crosses
Aroma/Flavor	Mild, Spicy and Floral
Alpha Acids*	4.0 - 6.0%
Beta Acids	5.0 - 6.7%
Cohumulone	20 - 26% of alpha acids
Total Oil	0.8 - 2.1 ml/100g
Myrcene	40 - 65% of total oil
Humulene	18 - 24% of total oil
Caryophyllene	4 - 8% of total oil
Farnesene	<1% of total oil
Storage Stability	Very poor



Varieties subject to availability. Contact your Territory Manager to place your order.

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