



WILLAMETTE VALLEY HOPS, LLC

HOP VARIETY DATA SHEET

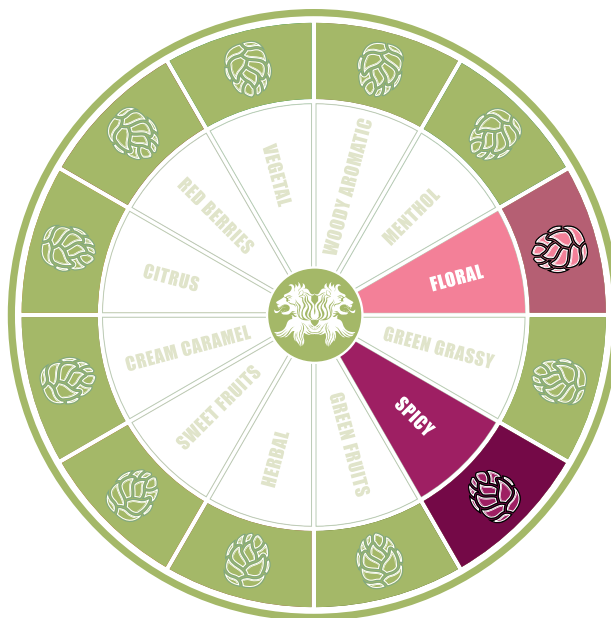


Crystal

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.

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|--------------------------|--|
| 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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