

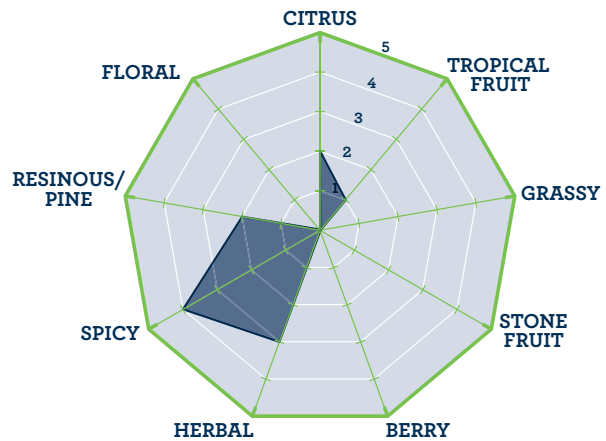
# HALLERTAU MITTELFRÜH

German



**Origin:** Germany. The signature landrace variety of the Hallertau region in Bavaria, Hallertau Mittelfrüh is, at least to some, the epitome of noble hops.

**Usage:** Aroma. Although it can be and is used throughout the boil, it is most prized for its fine, elegant aroma and flavor contribution. Mittelfrüh has been one of Europe's most widely esteemed varieties for centuries and is practically synonymous with continental lagers (particularly Bavarian styles) and many types of German and Belgian ales.




**Aroma & Flavor Characteristics:** Complex, but mild and approachable. A mixture of sweet, earthy, and herbal with vivid impressions of new-mown hay, sweet spices, and dried flowers. Its many offshoots and daughters show some of these same qualities, but none have the same range and balance as Mittelfrüh.



### SENSORY HIGHLIGHTS

Sweet  
Herbal  
Floral  
Grass




### BREWING VALUES

Alpha Acid Range: 3.0 - 5.5%  
Beta Acid Range: 3.0 - 5.0%  
Co-Humulone as % of alpha: 18 - 28  
Total oils mL/100 gr.: 0.7 - 1.3

### OIL FRACTIONS

Myrcene: 12 - 18%  
Humulene: 50 - 60%  
Caryophyllene: 12 - 16%  
Farnesene: <1%  
Linalool: 0.6-1.2%



### AGRONOMIC DATA

Maturity: Middle  
Yield: 1,250 kg/ha

