



WILLAMETTE VALLEY HOPS, LLC

## HOP VARIETY DATA SHEET



# Northern Brewer

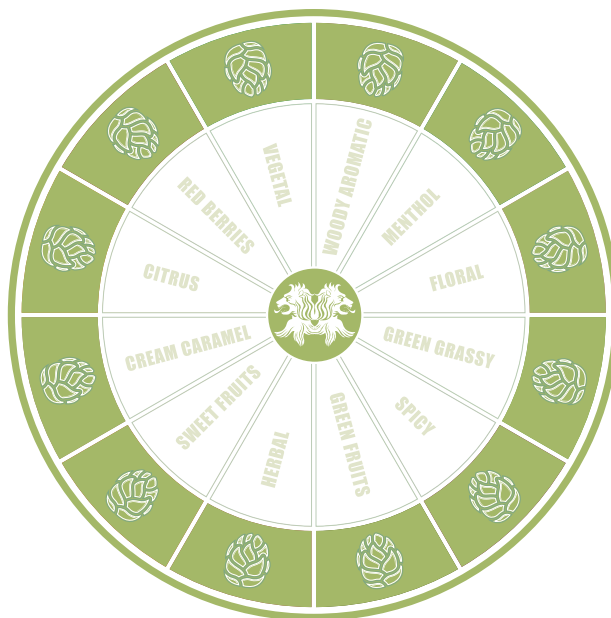
U.K. DUAL PURPOSE HOP



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Bred in England in 1934, this variety was developed specifically for Scottish & Newcastle Breweries and originally grown in the North of England - hence its name. It has a high alpha content and is currently one of the main varieties in the German Hallertau region, where it has developed good aroma qualities by adapting to climate and soil. Northern Brewer is wilt-resistant.

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Pedigree</b>          | Canterbury Golding crossed with male seedling of Brewers Gold |
| <b>Aroma/Flavor</b>      | Medium intensity, Pine, Minty notes                           |
| <b>Alpha Acids*</b>      | 6.0 - 10.0%                                                   |
| <b>Beta Acids</b>        | 3.0 - 5.0%                                                    |
| <b>Cohumulone</b>        | 27 - 32% of alpha acids                                       |
| <b>Total Oil</b>         | 1.0 - 1.6 ml/100g                                             |
| <b>Myrcene</b>           | 25 - 45% of total oil                                         |
| <b>Humulene</b>          | 35 - 50% of total oil                                         |
| <b>Caryophyllene</b>     | 10 - 20% of total oil                                         |
| <b>Farnesene</b>         | <1% of total oil                                              |
| <b>Storage Stability</b> | Very good                                                     |



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

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