



Hopunion CBS, LLC

GR PERLE

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| Pedigree | Bred at the Hüll Hop Research Institute from the English Northern Brewer variety. |
| Maturity | Mid-season to late |
| Yield | 1750 – 2200 kg./ha. or 1550 – 1950 lb./ac. |
| Growth Habit | Moderately vigorous and easy to grow |
| Disease/Pest Susceptibility | Good tolerance to German wilt and downy mildew |
| Pickability/Drying/Baling | Good |
| Cone-Structure | Smallish, plump but quite tight cone |
| Lupulin | Quite copious and fairly dark in color |
| Aroma | Moderately intense, good and hoppy |
| Alpha Acids | 6 – 8% w/w |
| Beta Acids | 3.5 – 5.5% w/w |
| Co-Humulone | 25 – 32% of alpha acids |
| Storageability | 70 -80% alpha acids remaining after 6 months storage at 20° C |
| Total Oil | 0.8 – 1.3 mls/100 grams |
| Myrcene | 10 – 20% of whole oil |
| Humulene | 30 – 36% of whole oil |
| Caryophyllene | 8 – 10% of whole oil |
| Farnesene | <1% of whole oil |
| General Trade Perception | A well accepted dual-purpose hop with a good combination balanced bittering and highly acceptable aroma properties |
| Possible Substitutions | US Perle, Northern Brewer |
| Typical Beer Styles | Pale Ale, Porter, Stout, Lager, Pilsner, Weizen, Ale, Alt, Kölsch, Munich Helles |
| Additional Information | Introduced in the 1980's and grown in both Washington and Oregon states. Perle is the most popular German-grown hop variety. |
| Personal Notes: | |