



Hopunion CBS, LLC

US PERLE

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| Pedigree | Bred in Germany from the English Northern Brewer variety. |
| Maturity | Early |
| Yield | 1300 – 1800 kg./ha. or 1160 – 1600 lb./ac. |
| Growth Habit | Good – Does not like hot weather |
| Disease/Pest Susceptibility | Mainly tolerant to Prunus necrotic ring-spot virus infection. Fairly resistant to downy mildew. |
| Pickability/Drying/Baling | Good |
| Cone-Structure | Fairly loose, medium-long |
| Lupulin | Plentiful, fairly dark yellow |
| Aroma | Floral and slightly spicy |
| Alpha Acids | 7 – 9.5% w/w |
| Beta Acids | 4 – 5% w/w |
| Co-Humulone | 27 – 32% of alpha acids |
| Storageability | 80 – 85% alpha acids remaining after 6 months storage at 20° C |
| Total Oil | 0.7 – 0.9 mls/100 grams |
| Myrcene | 45 – 55% of whole oil |
| Humulene | 28 – 33% of whole oil |
| Caryophyllene | 10 -12% of whole oil |
| Farnesene | <1% of whole oil |
| General Trade Perception | A hop with German type aroma properties combines with moderate bittering potential. A dual purpose hop. Popular with craft-brewers. |
| Possible Substitutions | German Perle, German and US Northern Brewer |
| Typical Beer Styles | Pale Ale, Porter, Stout, Lager, Weizen, Alt, Barley Wine, Kölsch |
| Additional Information | Excellent storagability. |
| Personal Notes: | |