



Hopunion CBS, LLC

UK CHALLENGER

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| Pedigree | A granddaughter of Northern Brewer bred in England with German downy mildew resistant males. |
| Maturity | Late season |
| Yield | 1600 – 2000 kg./ha. or 1400 – 1800 lb./ac. |
| Growth Habit | Beautiful neat columnar habit with even laterals, good head, and nicely hopped down. |
| Disease/Pest Susceptibility | Bred for resistance to downy mildew and some strains of powdery mildew. Sensitive to Verticillium wilt. |
| Pickability/Drying/Baling | Good |
| Cone-Structure | Good sized fairly firm cone |
| Lupulin | Moderate to copious amounts, mid-yellow |
| Aroma | Mild to moderate, quite spicy |
| Alpha Acids | 6.5 – 8.5% w/w |
| Beta Acids | 4 – 4.5% w/w |
| Co-Humulone | 20 – 25% of alpha acids |
| Storageability | 70 – 85% alpha acids remaining after 6 months storage at 20° C |
| Total Oil | 1.0 – 1.7 mls/100 grams |
| Myrcene | 30 – 42% of whole oil |
| Humulene | 25 – 32% of whole oil |
| Caryophyllene | 8 – 10% of whole oil |
| Farnesene | 1 – 3% of whole oil |
| General Trade Perception | One of the few recognized dual-purpose hops combining moderate amounts of alpha acids with a good kettle hop aroma |
| Possible Substitutions | US or German Perle, Northern Brewer |
| Typical Beer Styles | English style Ale, Porter, Stout, ESB, Bitter, Barley Wine, Brown Ales |
| Additional Information | A result of Wye's efforts to combine higher levels of alpha acids with technically good aroma, disease resistance, and good agronomic properties. Released in 1968. |

Personal Notes: