



- ❖ **Hop Variety:** ***Progress***
- ❖ **Origin:** Developed at Wye College in 1951 from WGV and released in 1964 as a wilt-tolerant alternative to Fuggle.
- ❖ **Maturity:** Early-mid season
- ❖ **Yield:** 1400 – 1550 kgs/ha (1235–1366 lbs/acre)
- ❖ **Disease Reaction:** Tolerant to wilt; susceptible to both powdery and downy mildew
- ❖ **Cone Structure:** Similar cones to Fuggle but more open
- ❖ **Quality:**
- **Aroma** Good
 - **Storage Stability** Reasonable
- ❖ **HPLC Data:**
- **Alpha-Acids** 5.0 – 7.5% w/w
 - **Cohumulone** % of alpha-acids
 - **Beta-Acids** 1.8 – 2.7% w/w
 - **Xanthohumol** Typically 0.30% w/w
- ❖ **Hop Oils:**
- **Total Oil** 0.5 – 0.8% v/w
of which typically:
 - **Myrcene** 26%
 - **Humulene** 47%
 - **Caryophyllene** 14%
 - **Farnesene** 0.12%
 - **Linalool** N/A
- ❖ **Brewing Character:** Similar flavor to Fuggle but slightly sweeter and usually providing a softer, more mellow bitterness; acceptable, cost effective replacement for Fuggle.

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