



- ❖ **Hop Variety:** ***Cascade***
- ❖ **Origin:** Open pollinated of a Fuggle seedling, itself derived from crosses between Fuggle and the Russian hop Serebrianka.
- ❖ **Maturity:** Mid-season
- ❖ **Yield:** 1600 - 2200 kgs/ha (1400-2000 lbs/acre)
- ❖ **Disease Reaction:** Not seriously affected by prunus necrotic ring-spot virus; good crown and cone resistance to downy mildew, partly tolerant to *Verticillium* wilt; prone to insects, good resistance to powdery mildew
- ❖ **Cone Structure:** Compact, medium sized
- ❖ **Quality:**
- **Aroma** Pleasant, floral and spicy
 - **Storage Stability** 48 – 52 %
- ❖ **HPLC Data:**
- **Alpha-Acids** 4.5 – 7.0 % w/w
 - **Cohumulone** 33 – 40 % of alpha acids
 - **Beta-Acids** 4.5 – 7.0 % w/w
 - **Xanthohumol** Typically 0.20% w/w
- ❖ **Hop Oils:**
- **Total Oil** 0.8 – 1.5 % v/w
of which typically:
 - **Myrcene** 45 - 60 %
 - **Humulene** 10.0 – 20.0 %
 - **Caryophyllene** 3.5 – 6.0 %
 - **Farnesene** 4.0 – 8.0 %
 - **Linalool** 0.5 %
- ❖ **Brewing Character:** Provides a unique floral/spicy character to beer; aroma variety with well balanced bittering potential.

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