



- ❖ **Hop Variety:** *Opal*
- ❖ **Origin:** Variety bred in Huell.
- ❖ **Maturity:** Early to medium
- ❖ **Yield:** 1500 – 2200 kgs/ha
- ❖ **Disease Reaction:** Good resistance to wilt, in general good health of the plants, good resistance to downy mildew; good resistance to powdery mildew
- ❖ **Cone Structure:** Medium, round coin structure
- ❖ **Quality:**
  - **Aroma** After harvest strong, later milder aroma
  - **Storage Stability** Medium
- ❖ **HPLC Data:**
  - **Alpha-Acids** 5 – 8 % w/w
  - **Cohumulone** 15 – 17 % of alpha acids
  - **Beta-Acids** 3.5 – 5.5 % w/w
  - **Xanthohumol** 0.3 – 0.5 % w/w
- ❖ **Hop Oils:**
  - **Total Oil** 0.8 – 1.3 % v/w  
*of which typically:*
  - **Myrcene** 20 – 45 %
  - **Humulene** 30 – 50 %
  - **Caryophyllene** 8 – 15 %
  - **Farnesene** < 1 %
  - **Linalool** 1 – 1.5 %

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