



- ❖ **Hop Variety:** ***Herkules***
- ❖ **Origin:** A German high alpha cross variety, bred in Huell
- ❖ **Maturity:** Medium early
- ❖ **Yield:** Average 2500 kgs/ha
- ❖ **Disease Reaction:** Good resistance to wilt; medium resistance to downy mildew, good resistance to powdery mildew
- ❖ **Cone Structure:**
- ❖ **Quality:**
 - **Aroma** Spicy, powerful
 - **Storage Stability** Good
- ❖ **HPLC Data:**
 - **Alpha-Acids** 13 – 17 % w/w
 - **Cohumulone** 31 – 38 % of alpha acids
 - **Beta-Acids** 4 – 5.5 % w/w
 - **Xanthohumol** 0.6 – 0.7 % w/w
- ❖ **Hop Oils:**
 - **Total Oil** 1.4 – 2.4 % v/w
of which typically:
 - **Myrcene** 30 – 50 %
 - **Humulene** 30 – 45 %
 - **Caryophyllene** 7 – 12 %
 - **Farnesene** < 1 %
 - **Linalool** 0.3 – 0.8 %

VDS 40/01 issued 11/2009