



- ❖ **Hop Variety:** ***Horizon***
- ❖ **Origin:** Released in 1998 from a cross between a selected high alpha-acid and high beta-acid USDA female and a selected USDA German aroma male.
- ❖ **Maturity:** Mid-season
- ❖ **Yield:** 1350 - 1700 kgs/ha (1200-1500 lbs/acre)
- ❖ **Disease Reaction:** Susceptible to hop downy mildew and powdery mildew
- ❖ **Cone Structure:** Heavy, compact
- ❖ **Quality:**
- **Aroma** Good
 - **Storage Stability** 70 - 80 %
- ❖ **HPLC Data:**
- **Alpha-Acids** 10.0 – 14.0 % w/w
 - **Cohumulone** 18 – 20 % of alpha acids
 - **Beta-Acids** 6.0 – 8.5 % w/w
 - **Xanthohumol** n/a
- ❖ **Hop Oils:**
- **Total Oil** 1.5 – 2.5 % v/w
of which typically:
 - **Myrcene** 60.0 – 70.0 %
 - **Humulene** 8.0 – 10.0 %
 - **Caryophyllene** 5.0 – 8.0 %
 - **Farnesene** 2.0 – 3.0 %
 - **Linalool** 1.2 %
- ❖ **Brewing Character:** Provides excellent sensory bitterness and hoppy aroma in beer; considered a multipurpose hop, with a low cohumulone.

VDS 68/02 issued 31-January-03