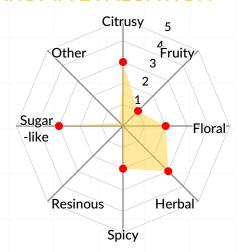
### AROMA EVALUATION



### **AROMA SPECIFICATION**

orange, candied lime, fruity, floral

### **GENETIC ORIGIN**

Zeus x (98004 x USDA 19058m).

### **AGRONOMIC ASPECTS**

| GROWII     | NG   |
|------------|------|
| Yield (kg  | /ha) |
| Viold (lba | 100  |

3,000 - 3,500 2,700 - 3,150 Yield (lbs/acre) Maturity Very Late Main Growing Country **USA** 255 Acreage (ha)

Downy mildew **Tolerant** Powdery mildew Susceptible

# **CHEMICAL INGREDIENTS**

| DITTED | COL  |      | IENITO   |
|--------|------|------|----------|
| BITTER | UUIV | IPON | 4FIV I 5 |

| Alpha-Acid %             | 14.0 - 17.0 |
|--------------------------|-------------|
| Beta-Acid %              | 3.0 - 5.0   |
| Co-Humulone % rel.       | 29 - 34     |
| Hard Resins : Alpha-Acid | 0.14 - 0.24 |

Xanthohumol (EBC 7.7) 0.8 - 1.0

### **AROMA COMPONENTS**

| Total Oils (ml/100g)         | 1.6 - 2.4   |
|------------------------------|-------------|
| Beta-Caryophyllene: Humulene | 0.58        |
| Farnesene % of total Oil     | 0.00 - 1.00 |
| Linalool % of total Oil      | 0.2 - 0.3   |
| Linalool: Alpha-Acid         | 0.01 - 0.02 |

### **VISUAL EVALUATION**





## **HOP ALTERNATIVES**

**BREWHOUSE** 

Zeus, US Magnum, Nugget

**DRY HOPPING** 

Chinook, Centennial

Bravo is tried and true in the kettle, offering a polished and pleasant bitterness profile. Candied lime and sweet fruit notes emerge when used as a late hop or dry hop addition. Bravo is "the bittering hop of choice" among many brewers.

> Hop Highlights: 14-17% Alpha 3-5% Beta **High Geraniol Pleasant Bitterness**

### HOPS HOTLINE

800.339.8710