Hunting for Finnish Hops: Are They Indeed Growing in That North And How Do They Look Like?

RESULTS - CHEMICAL ANALYSIS

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration (g/l)</th>
<th>SD</th>
<th>T test</th>
<th>p Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humulone</td>
<td>0.35</td>
<td>3.5</td>
<td></td>
<td>0.05</td>
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<tr>
<td>Linalool</td>
<td>0.05</td>
<td>0.03</td>
<td></td>
<td>0.62</td>
</tr>
</tbody>
</table>

Analysis of proline and α- and β-acids by GC-MS in methanolic extracts.

RESULTS - GENETIC ANALYSIS

FINNISH HOPS REST OF THE WORLD

«PS FINNISH HOPS ARE QUITE UNIQUE»

FINLAND Are you in?

CRAZE for CRAFT BEERS

Having only a few microbreweries not more than a decade ago, the number of them raised up to over 100 in 2017 in Finland.

EMERGING MARKET OPPORTUNITIES

When Finland was part of Swedish Empire, during the 17th and early 18th centuries, hop inflorescences were used for paying taxes, and there were even legal obligations to cultivate hops until 1915.

STONE AGE year 7100 BC/AD

Remains of hop pollen were found in the Mesolithic layers in Southern part of Finland.

MIDDLE AGES 11th century - CULTIVATION

Findings of hop microfossil seeds date to the Middle Ages and most probably cultivation of hop in Finland started then.

REMARKABLE COMMERCIAL VALUE

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CALL FOR HOPS

1st June - 31st July 2017

- Older than 50 years
- Healthy plants
- Use (e.g. brewing)
- Bearing cones regularly
- Male plants

The call was published in number of media from Finland.

10 July 2017 > 900 hops notified

COLLECTING HOPS

1st August - 31st December 2017

- 6 LEAVES
- 100 CONES
- Knowledge

Traditional knowledge and important information on each plant was registered into lake database.

LUKE - BLOG about HOPS

Finnish hops are a big surprise to the rest of the world


INTERNATIONAL BREWERS SYMPOSIUM on Hop Flavor and Aroma in Beer

JULY 25-28, 2017 • THE LASELLS STEWART CENTER • OREGON STATE UNIVERSITY