EBC/The Brewers of Europe Contributions to the Fourth EU Fusarium-toxin Forum

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What is Brewers of Europe?

• Founded in 1958 and based in Brussels, The Brewers of Europe is the voice of the European brewing sector to the European institutions and international organisations.

• Current members are the national brewers’ associations from 23 countries (20 EU Member States, plus Norway, Switzerland and Turkey).
What is EBC?

- The European Brewery Convention (EBC) is the European expert organisation for all areas of brewing and malting science, technology and technical matters, whilst promoting co-operation between all parties involved for the benefit of the European Brewing Industry.

- EBC represents National Associations of 22 European countries.
• In early 2006, in order to understand the levels of T-2 and HT-2 toxins in beer, the Brewers of Europe through EBC commissioned 3 studies.

  – A survey on European beers using low detection limits,
  – A research on the fate of these toxins from barley to beer using artificial contaminations (at this time we were not sure to find sufficiently contaminated raw materials)
  – The same research but with commercial raw materials if available.
Before starting with the results of these researches, some words about the Brewing Process:
Water + Malt

Mashing

Sweet wort + spent grains

Boiled wort + trub/spent hops

Fermentation

Green beer + spent yeast

Maturation

Filtered beer + spent filter media

Packaging

FINAL BEER

Pasteurisation
Brewing inputs
- Malted barley and other cereals
- Brewing water
- Hop/hop products
- Yeast

Brewing outputs
- Spent grains
- Trub/spent hops
- Spent yeast
- Beer
Let us start with the first research