



NEWSLETTER 01/2015

TECHNICAL SUPPORT

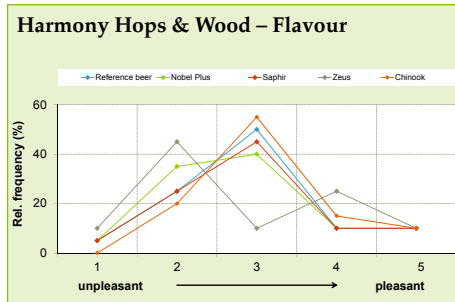
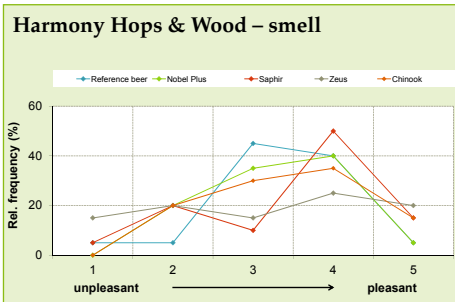
Hops & Wood

In recent years there has been a growing trend towards beers with unique aromas, and breweries have benefited from a multitude of different possibilities to achieve this goal, including the storage of beer in wooden barrels.

In order to simulate the influence of hops when storing beer in wooden casks, we added 400 g/hl of wood chips (made by Eder, Chips Series XT 4) to a pale ale (12,1 % specific gravity, 5,2 Vol-% alcohol) and furthermore dry-hopped the beer with different hop varieties. The following beers were brewed on this basis:

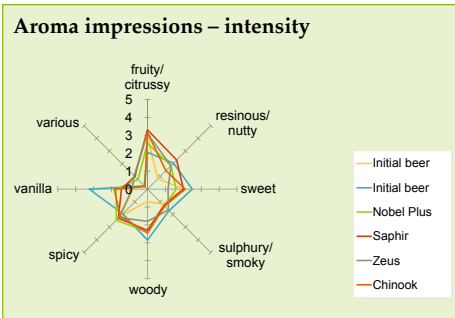
- Initial beer: pale ale without wood chips
- Reference beer: pale ale with wood chips, no dry-hopping
- Nobel Plus: 12 g/hl
- Saphir: 300 g/hl
- Zeus: 300 g/hl
- Chinook: 300 g/hl

Illustration 1



The beers were tasted at an event devoted to „storage in wooden casks“, held in Kiesbye's Bierkulturhaus. Considerable differences between smell and flavour of the beers were noted. Beer tasting demonstrated that the hop variety Zeus has a particularly strong polarising effect on the harmony between hops and wood (Ill.1).

Illustration 2



Furthermore, when evaluating the aroma profiles, it is apparent that the simulation of wooden cask storage masks the typical varietal characteristics. The spiderwebs in illustration 2 show a very uniform picture. The vanilla aroma of the wood chips was clearly toned down by the various hop additions.

Continued trials will help to further develop the study of exposure time and dosage quantities of both wood chips and hops.

If you need any further information, please do not hesitate to contact us.

Simon H. Steiner, Hopfen, GmbH *S.S. Steiner, Inc.*
 Newsletter, January 2015



On January 14th/15th we will be doing a tasting at Kiesbye's at an event titled "Hops & Wood".

If you are interested in the results, please do not hesitate to contact our Technical Support Team!



February '15

Save the date!

- Feb., 9th
[12. Rohstoffseminar, Weihenstephan](#)
- Feb., 10th-12th
[48. Technologisches Seminar, Weihenstephan](#)
- Feb., 21st-24th
[Beer Attraction](#)
[Craft Breweries International Show](#)
- Feb., 23rd-25th
[48. Technologisches Seminar, Weihenstephan](#)

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