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Brewing science and practice. Vol. I. Brewing materials

Author(s) : [HIND, H. L.](#)

Book : [Brewing science and practice. Vol. I. Brewing materials.](#) 1938 pp.xiv. + 505

Abstract : In the author's preface it is stated that this book has been written for those engaged in the scientific side of brewing, but there can be no doubt that it will also be of great interest to barley breeders. Indeed, the work is of general interest, showing how far investigations into the important question of quality can go, without reaching a completely definitive answer.

After a brief historical chapter, the book is divided into parts entitled respectively: an introduction to the biochemistry of malt and wort; malt; sugar, specific gravity

and polarimetry; hops; water. The part on barley comprises chapters on the classification of barley, malting barleys, physiological characters of barley, and composition and quality of barley. The variety problem is given considerable attention and there is no doubt that it is this part which is of most interest to the breeder. The viewpoint is, as has been stated, the brewer's rather than the agriculturist's. I mention only two points, the formulae for predicting extract from nitrogen content and thousand-corn-weight are dealt with at some length and the author has made a detailed report on nitrogen and proteins.

The varietal question is also considered in the part on hops.

The rest of the book is perhaps rather too detailed for the average breeder. He probably has neither the time nor the equipment for such refinements, but I think he will say that he would not benefit from a careful perusal of it.

A useful feature of the book is the provision of summaries at the ends of chapters. References are provided at the end of each chapter, though we are sorry that the author adopts the growing practice of not giving titles. Name and subject indexes are given, and the book ends with some useful conversion tables. An unfortunate error in writing or proof correction mars the book here and there. For instance we find the following from a rather long sentence on p. 31: "the plants of the F₂ generation are segregated in such a way that. . . half would resemble the hybrids of the F₂ generation" we feel that the book is one to be recommended. J.L.F.

Record Number : 19391601716

Publisher : Chapman and Hall Ltd., London

Language of text : English

Language of summary : English

Indexing terms for this abstract:

Organism descriptor(s) : *Hordeum vulgare*, *Humulus*, *Humulus lupulus*

Descriptor(s) : barley, biochemistry, chemical composition, classification, composition, conversion tables, crosses, history, hops, hybrids, malting barley, nitrogen, quality, specific gravity

Identifier(s) : conversion tables and factors

Broader term(s) : *Hordeum*, Poaceae, Poales, commelinids, monocotyledons, angiosperms, Spermatophyta, plants, eukaryotes, Cannabaceae, Rosales, eudicots, *Humulus*

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