

Woodhead Publishing in Food Science and Technology

# *Baking problems solved*

**Stanley Cauvain and Linda Young**



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# Baking Problems Solved

**Stanley P. Cauvain, L S Young**



## **Baking Problems Solved:**

*Baking Problems Solved* Stanley P. Cauvain, 2017-02-18 *Baking Problems Solved* Second Edition provides a fully revised follow up to the innovative question and answer format of its predecessor Presenting a quick bakery problem solving reference Stanley Cauvain returns with more practical insights into the latest baking issues Retaining its logical and methodical approach the book guides bakers through various issues which arise throughout the baking process The book begins with issues found in the use of raw materials including chapters on wheat and grains flour and fats amongst others It then progresses to the problems that occur in the intermediate stages of baking such as the creation of doughs and batters and the input of water Finally it delves into the difficulties experienced with end products in baking by including chapters on bread and fermented products cakes biscuits and cookies and pastries Uses a detailed and clear question and answer format that is ideal for quick reference Combines new up to date problems and solutions with the best of the previous volume Presents a wide range of ingredient and process solutions from a world leading expert in the baking industry *More Baking Problems Solved* Stanley P. Cauvain, L S Young, 2009-08-26 When things go wrong in the bakery the pressures of production do not allow time for research into the solution Solving these baking problems has always been the province of experts However with a methodical approach keen observation and a suitable reference book then the answers to many baking problems are more easily identified The companion volume to the popular *Baking problems solved* *More baking problems solved* contains an updated guide to problem solving and the answers to further frequently asked questions Once again arranged in a practical question and answer format it will enable busy bakery professionals to understand causes of their problems and implement solutions Written by two leading experts and based on a wealth of practical experience *More baking problems solved* is invaluable to all bakery professionals bakery students food technologists and product developers An updated guide to problem solving that provides answers to further frequently asked questions and baking An essential reference and problem solving manual for professionals and trainees in the industry An ideal companion volume to *Baking problems solved* **More Baking Problems Solved**, 2009 Annotation When things go wrong in the bakery the pressures of production do not allow time for research into the solution Solving these baking problems has always been the province of experts However with a methodical approach keen observation and a suitable reference book then the answers to many baking problems are more easily identified The companion volume to the popular *Baking problems solved* *More baking problems solved* contains an updated guide to problem solving and the answers to further frequently asked questions Once again arranged in a practical question and answer format it will enable busy bakery professionals to understand causes of their problems and implement solutions Written by two leading experts and based on a wealth of practical experience *More baking problems solved* will be invaluable to all bakery professionals bakery students food technologists and product developers **Baking Problems Solved** Stanley P Cauvain, Linda S Young, 2001-05-10 When things go wrong in the bakery

the pressures of production do not allow time for lengthy research into the solution Written by two of the leading experts in the field *Baking Problems Solved* provides answers to the most frequently encountered problems in the baking industry The book offers practical solutions as well as invaluable guidance on improving production and optimizing product liability At a time when pressure on product quality and productivity has never been so intense the need to find quick and effective solutions is tremendous This book addresses over 200 baking problems in an easily searchable question and answer format Each question has a concise practical and authoritative answer designed to maintain product quality and productivity *Baking Problems Solved* helps you locate information on problems understand the causes and implement solutions quickly and effectively

[Breadmaking](#) Stanley P. Cauvain, 2012-04-25 The first edition of *Breadmaking Improving quality quickly* established itself as an essential purchase for baking professionals and researchers in this area With comprehensively updated and revised coverage including six new chapters the second edition helps readers to understand the latest developments in bread making science and practice The book opens with two introductory chapters providing an overview of the breadmaking process Part one focuses on the impacts of wheat and flour quality on bread covering topics such as wheat chemistry wheat starch structure grain quality assessment milling and wheat breeding Part two covers dough development and bread ingredients with chapters on dough aeration and rheology the use of redox agents and enzymes in breadmaking and water control among other topics In part three the focus shifts to bread sensory quality shelf life and safety Topics covered include bread aroma staling and contamination Finally part four looks at particular bread products such as high fibre breads those made from partially baked and frozen dough and those made from non wheat flours With its distinguished editor and international team of contributors the second edition of *Breadmaking Improving quality* is a standard reference for researchers and professionals in the bread industry and all those involved in academic research on breadmaking science and practice With comprehensively updated and revised coverage this second edition outlines the latest developments in breadmaking science and practice Covers topics such as wheat chemistry wheat starch structure grain quality assessment milling and wheat breeding Discusses dough development and bread ingredients with chapters on dough aeration and rheology

[TRIZ for Engineers: Enabling Inventive Problem Solving](#) Karen Gadd, 2011-02-11 TRIZ is a brilliant toolkit for nurturing engineering creativity and innovation This accessible colourful and practical guide has been developed from problem solving workshops run by Oxford Creativity one of the world's top TRIZ training organizations started by Gadd in 1998 Gadd has successfully introduced TRIZ to many major organisations such as Airbus Sellafield Sites Saint Gobain DCA Doosan Babcock Kraft Qinetiq Trelleborg Rolls Royce and BAE Systems working on diverse major projects including next generation submarines chocolate packaging nuclear clean up sustainability and cost reduction Engineering companies are increasingly recognising and acting upon the need to encourage successful practical and systematic innovation at every stage of the engineering process including product development and design TRIZ enables greater clarity of thought and taps into

the creativity innate in all of us transforming random ineffective brainstorming into targeted audited creative sessions focussed on the problem at hand and unlocking the engineers knowledge and genius to identify all the relevant solutions For good design engineers and technical directors across all industries as well as students of engineering entrepreneurship and innovation TRIZ for Engineers will help unlock and realise the potential of TRIZ The individual tools are straightforward the problem solving process is systematic and repeatable and the results will speak for themselves This highly innovative book Satisfies the need for concise clearly presented information together with practical advice on TRIZ and problem solving algorithms Employs explanatory techniques processes and examples that have been used to train thousands of engineers to use TRIZ successfully Contains real relevant and recent case studies from major blue chip companies Is illustrated throughout with specially commissioned full colour cartoons that illustrate the various concepts and techniques and bring the theory to life Turns good engineers into great engineers

Baked Products Stanley P. Cauvain,Linda S. Young,2008-04-15 Taking a fresh approach to information on baked products this exciting new book from industry consultants Cauvain and Young looks beyond the received notions of how foods from the bakery are categorised to explore the underlying themes which link the products in this commercially important area of the food industry First establishing an understanding of the key characteristics which unite existing baked product groups the authors move on to discuss product development and optimisation providing the reader with coverage of Key functional roles of the main bakery ingredients Ingredients and their influences Heat transfer and product interactions Opportunities for future product development Baked Products is a valuable practical resource for all food scientists and food technologists within bakery companies ingredient suppliers and general food companies Libraries in universities and research establishments where food science and technology is studied and taught will find the book an important addition to their shelves

**Bakery Products Science and Technology** Weibiao Zhou,Y. H. Hui,2014-08-11 Baking is a process that has been practiced for centuries and bakery products range in complexity from the simple ingredients of a plain pastry to the numerous components of a cake While currently there are many books available aimed at food service operators culinary art instruction and consumers relatively few professional publications exist that cover the science and technology of baking In this book professionals from industry government and academia contribute their perspectives on the state of industrial baking today The second edition of this successful and comprehensive overview of bakery science is revised and expanded featuring chapters on various bread and non bread products from around the world as well as nutrition and packaging processing quality control global bread varieties and other popular bakery products The book is structured to follow the baking process from the basics flour and other ingredients to mixing proofing and baking Blending the technical aspects of baking with the latest scientific research Bakery Products Science and Technology Second Edition has all the finest ingredients to serve the most demanding appetites of food science professionals researchers and students

*Technology of Breadmaking* Stanley Cauvain,2015-02-17 This practical comprehensive guide

illuminates all aspects of breadmaking to give bakers scientists technologists and students a thorough understanding of the many new developments shaping the industry This book bridges the gap between scientific and practical accounts by providing technical coverage of the complex processes that link together to make bread and fermented products Chapters cover the nature of bread products the role of the ingredients in determining their quality processing methods and their control and equipment functions Emphasis is on exploring the contributions of individual components and processing stages to final bread quality reviewing the current state of technical knowledge on breadmaking This third edition reviews the new knowledge which has become available in the last 10 years and considers how the global trends of increased availability and wider range of fermented products around the world impact on current and future technological challenges for bakers Stanley P Cauvain is the Director and Vice President of Research and Development activities at BakeTran and Professor at the International Institute of Agri Food Security Curtin University Perth Western Australia

Cereal Grains Colin Wrigley, 2010-05-20 Cereal grains are essential to our dietary needs as well as for animal feeding and for industrial processing Consumer needs can only be met by managing quality at all stages of the grain chain Quality evaluation is also needed at each step for effective management Cereal grains assessing and managing quality provides a convenient and comprehensive overview of academic research and industry best practice in these areas After an initial chapter introducing the themes of the book further chapters in Part one review cereal grain morphology and composition and the diversity of uses of cereal grains Chapters in Part two convey the characteristics and quality requirements of particular cereals including wheat rye corn and rice The use of analytical methods at different stages of the value addition chain is the subject of Part three The final section in the book reviews factors affecting grain quality such as breeding storage and grain processing and also possible future developments With its expert team of editors and authors Cereal grains assessing and managing quality is a valuable reference for all those involved in the production and processing of cereal grains worldwide Reviews cereal grain morphology and composition and the diversity of the different uses of cereal grains Examines the use of analytical methods at different stages of the value addition chain Reviews the factors affecting grain quality such as breeding storage and grain processing as well as possible future developments

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## Whispering the Secrets of Language: An Psychological Journey through **Baking Problems Solved**

In a digitally-driven world wherever displays reign great and immediate connection drowns out the subtleties of language, the profound secrets and psychological subtleties hidden within phrases usually go unheard. However, nestled within the pages of **Baking Problems Solved** a charming fictional value sporting with raw feelings, lies an extraordinary quest waiting to be undertaken. Composed by a skilled wordsmith, that enchanting opus attracts readers on an introspective trip, delicately unraveling the veiled truths and profound impact resonating within the fabric of every word. Within the emotional depths of this touching evaluation, we will embark upon a sincere exploration of the book is core styles, dissect its charming writing design, and succumb to the effective resonance it evokes heavy within the recesses of readers hearts.

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