

Hatchery

Practice and Management



This book presents practical aspects of Hatchery Practice and Management. It is intended to serve as a manual for use in daily hatchery practice. It contains practical procedures needed for successful incubation of chicken eggs from arrival and quality control upto the placement of day-old chicks on the farm. A special chapter on Embryonic Development and a Model Hatchery Project are two chapters which will be most useful to practicing Poultrymen.

This Book will be useful to all Hatchery Managers, students in Agriculture and Veterinary Colleges and Managers of large poultry operations. This is the book you were waiting for quite some time.

Dr. H.C. Saxena obtained his M.Sc. degree in Poultry Nutrition and Ph.D. degree in Animal Sciences from the Washington State University, USA. After spending 15 years in research and teaching both in India and USA, Dr. Saxena was selected to join Hindustan Lever Limited, an Unilever group company in 1964 where he worked till 1976 as Product Group Manager, Animal Feeds Group.

For the next 10 and half years, Dr. Saxena was in the Middle East where he managed very large livestock projects at Kuwait and at Jeddah. He held top management positions at Kuwait Dairy Company (KDC), Kuwait United Poultry Co. (KUPCO) and Agriculture Development Corporation (ADC) at Jeddah, Saudi Arabia. Dr. Saxena ushered modern Poultry Industry in India and is generally recognized as a pioneer founding father for this industry in India.

He returned to India in 1986 and started his own Consultancy Office "Dr. Saxena & Associates" and Agri-Tech Associates of which he is President and Chief Executive. This company deals with Quality Control of Animal Feeds, Consultancy on Poultry, Dairy & Sheep Projects and advice on Management of Poultry and Livestock Projects in India and Abroad. During the last few years, Dr. Saxena has been selected to work with the World Bank as Consultant in Nigeria, Ghana and Mauritania where he has successfully completed 4 major poultry projects. He has successfully developed poultry feeds without Animal proteins and several types of Vitamin-Trace Mineral Mixtures which resulted in maximum poultry production. Innovations have been his forte for over 40 years. He currently has a consultancy agreement with Dhofar Cattle Feed Company SAOG and Dhofar Poultry Company SAOG and visits Oman regularly since 1997. He was nominated for the World Food Prize in 2001.

Dr. Saxena is elected member of several professional associations and served on many Committees in India and Abroad. He received several Awards in recognition of his contribution to the Livestock Feed Industry in India. He received the First CLFMA Industry Service Award in honour of his contributions to Development of Livestock Feeds Industry in India. He was awarded the First "The Intervet National Poultry Award 1995" for his original, pioneering research work carried out between 1993-95. He has attended many international congresses in which he chaired sessions on Poultry Nutrition and Management. He has published over 170 scientific papers and popular articles in his field of excellence. He has published a book entitled "Poultry Production in Hot Climatic Zones" in joint authorship with Professor E. H. Ketaars of Holland; 3rd edition of this book was released in May 2008. His second book, intended for Poultry Farmers, Field Workers, Veterinarians and Administrators involved in area of Poultry Feed Production entitled "Poultry Feed Technology (Feed Formulation and Manufacturing) is now in its 3rd edition. His book "Broiler Industry in the New Millennium" was released in June 1999; he released yet another book his fourth one entitled "The Egg Industry in the New Millennium" in December 1999. He received Life Time Achievement Award at IPSACON 2003 at CARI, Izatnagar, in March 2003.



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Preface

Hatchery Practice and Management describes practical guidelines for the incubation of chicken eggs. It is intended to serve as a manual for use in daily hatchery practice. It contains practical procedures needed for successful incubator of chicken eggs from arrival and quality control of hatching eggs upto the placement of day old chicks on the farm.

Also included are the hatchery recording forms which are necessary for running a commercial hatchery. Genetic progress demands greater control over the management of hatchery conditions, to maximize the potential of modern breed of chickens. High chick uniformity will continue to be an essential precursor to outstanding post hatch performance.

This book is intended to be a manual for use of all Hatchery Managers, Students in Agriculture and Veterinary Colleges and Managers of large Poultry operations.

In writing this manual I have drawn freely from my communications with Petersime NV, Belgium - this company is well known world leader in supply of hatchery machines. I have drawn freely from the book entitled "Commercial Chicken Production Manual" by Mack O. North and Donald D. Bell.

The Chapter on Embryonic Development has been taken from a publication brought out by Ceva Sante Animale, France, with their permission. Author is thankful to Petersime NV and Ceva Sante Animale for allowing use of their material in this book.

I am thankful to my publisher M/s International Book Distributing Co., Lucknow who asked me to write this manual as no such manual is available at the present time. I hope this book will be accepted by one and all and benefits will bring more profits to Poultry operations all over the world.

Pune, June 2008

H.C. Saxena

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